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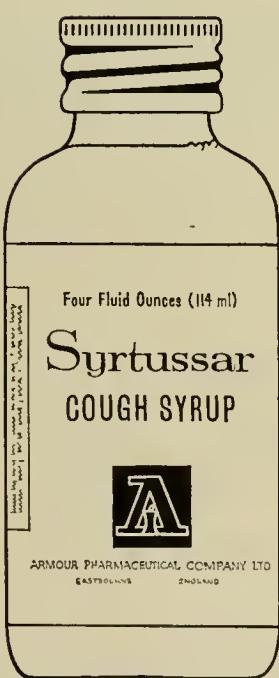
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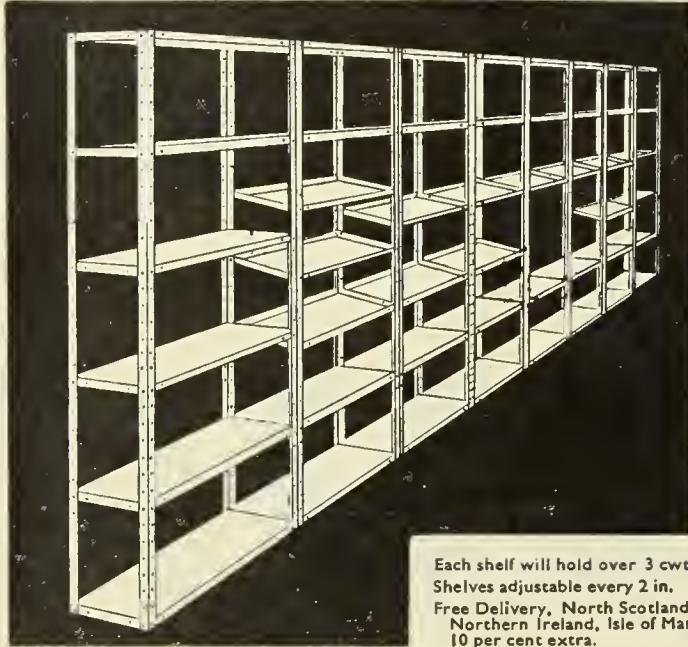
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INDEX TO ADVERTISERS

Allen, Stafford, & Son, Ltd.	5
Beatson Clark & Co., Ltd.	1
Boutalls Chemists, Ltd.	22
British Cod Liver Oils (Hull & Grimsby), Ltd.	13
British Dyewood Co., Ltd.	22
Burroughs Wellcome & Co.	Price List Sup., Page 1
Burroughs Wellcome & Co. (Emprazil)	Interleaved Edit., 20
Burroughs Wellcome & Co. (Insulin)	Interleaved Edit., 19
Carter Brothers (Manufacturing Chemists)	4
Christy, Thomas, & Co., Ltd.	9
Council Publications	10
Courtin, Ltd.	26
Cox, Arthur H., & Co., Ltd.	7
Cresswell Brothers (Sponges)	26
Dac Health Laboratories, Ltd.	Front Cover
Dales Pharmaceuticals, Ltd.	23
Dista Products, Ltd.	21
Fleetway Manufacturing Co., Ltd.	Cover iv
Gerhardt-Penick, Ltd. (Emko)	2
Glaxo Laboratories, Ltd.	12
Granose Foods, Ltd.	26
Hardman & Holden, Ltd.	6
Heron, John H., Ltd.	22
Hygienic Drinking Straws Co., Ltd.	22
Ilion Laboratories	7
Kalium Products (Redditch), Ltd.	26
Lenton Products, Ltd.	11
Macfarlan Smith, Ltd.	Cover ii
Matthews & Wilson, Ltd.	23
Newnes, George, Ltd. (<i>Woman's Own</i>)	Interleaved Edit., 16, 17
Norman, Pendred & Co., Ltd.	23
Philip Hill, Higginson & Erlangers, Ltd.	2
Ransom, William, & Son, Ltd.	Interleaved Edit., 14
Reckitt & Sons, Ltd.	Interleaved Edit., 18
Robinson & Sons (Chesterfield), Ltd.	25
Rochdale Metal Products, Ltd.	4
Scott, D. J., & Co., Ltd.	4
Silber, J. J., Ltd.	Interleaved Edit., 15
Smith & Hill (Chemists), Ltd.	7
Stewart Goodall & Dunlop, Ltd.	Cover iii
Whitmarley, Ltd.	4
Zeal, G. H., Ltd.	Cover iii

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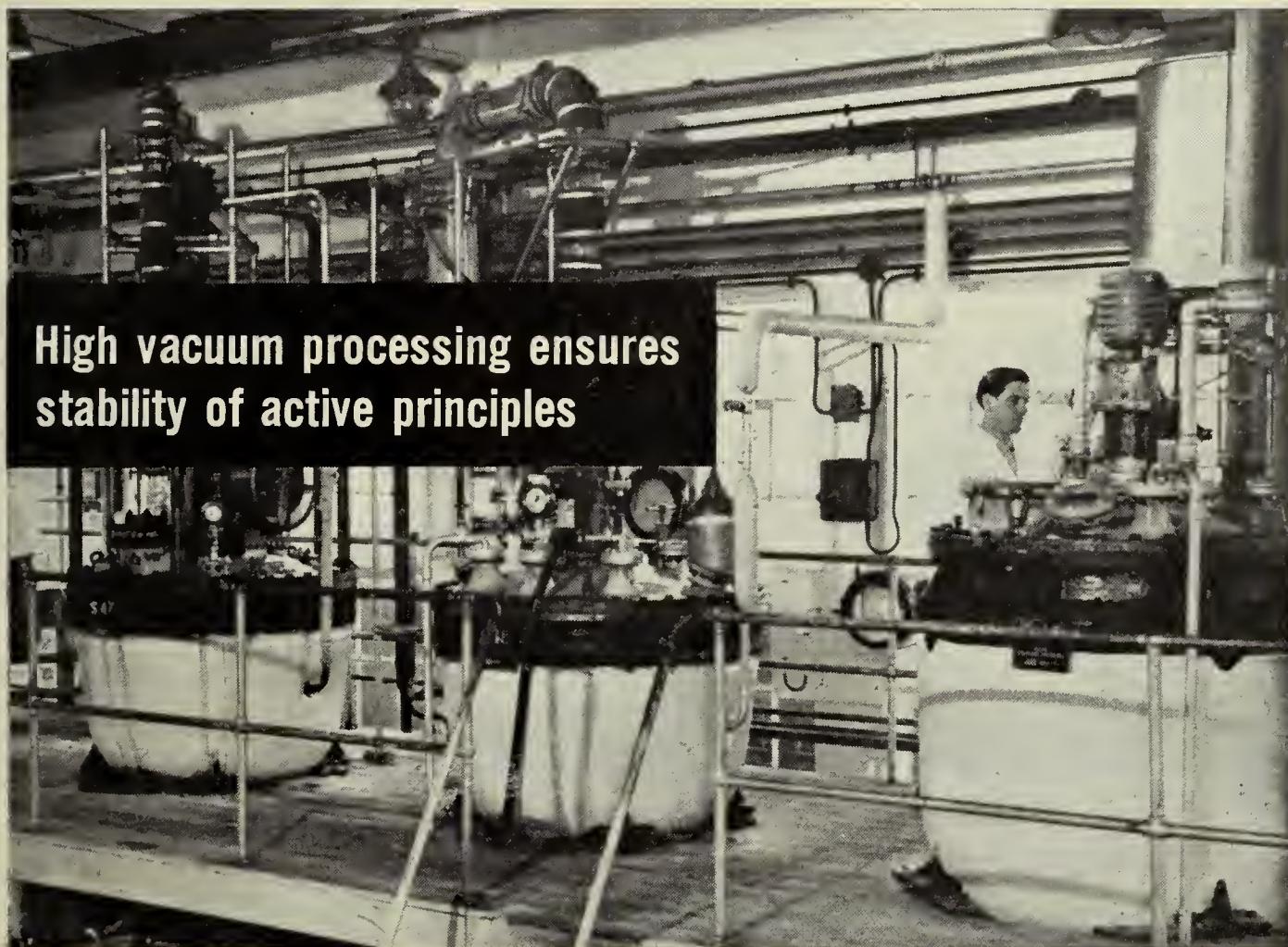
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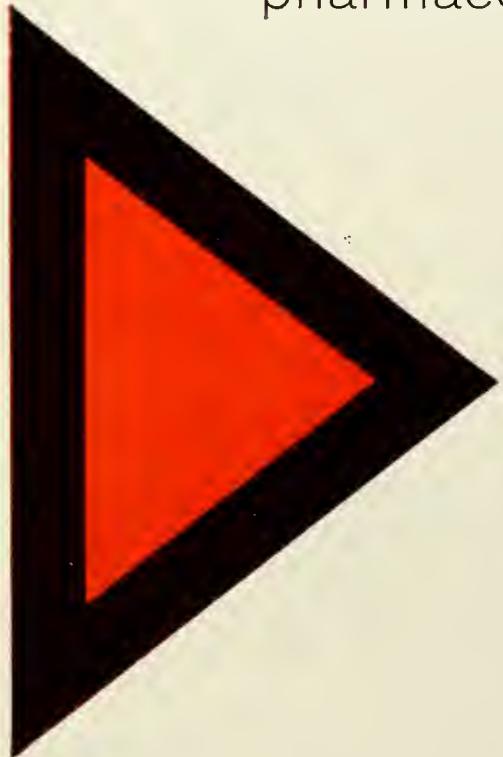
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ESTABLISHED 1859

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Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Volume 180

December 14, 1963

No. 4374

CONTENTS

British Pharmacopœia, 1963	...	634		
Chesterfield Pharmacy Rebuilt	...	631		
Correspondence	...	626		
Family Expenditure	...	636		
From Apothecary to Pharmacist	...	630		
Leading Articles:				
Investment Aspects of Research	...	627		
Joint Diploma	...	627		
Annual Encyclopædia	...	627		
Lectures on History of Medicine	...	634		
Onward from Galen	...	630		
Out-patient Dispensing	...	618		
Pharmaceutical Analysis Diploma	...	634		
Pharmaceutical Society of Great Britain:				
Council Meeting	...	628		
Silver Jubilee Event in Dublin	...	632		
State of Pharmacy in Eire	...	632		
Topical Reflections	...	619		
Any Business Questions?	630	Legal Reports	...	620
Branch Events	...	New Companies	...	638
Business Changes	...	New Products	...	624
Commercial Television	...	Overseas Visits	...	621
Coming Events	...	Personalities	...	622
Company News	...	Print and Publicity	...	637
Deaths	...	Trade Notes	...	623
Expansion Plans	...	Trade Report	...	635
In Parliament	...	Transport Notes	...	633
Instruments and Apparatus	633	World Trade	...	633

Index to Advertisers, p. 4. Classified Advertisements, p. 27. Cumulative price list (home copies only): loose supplement.

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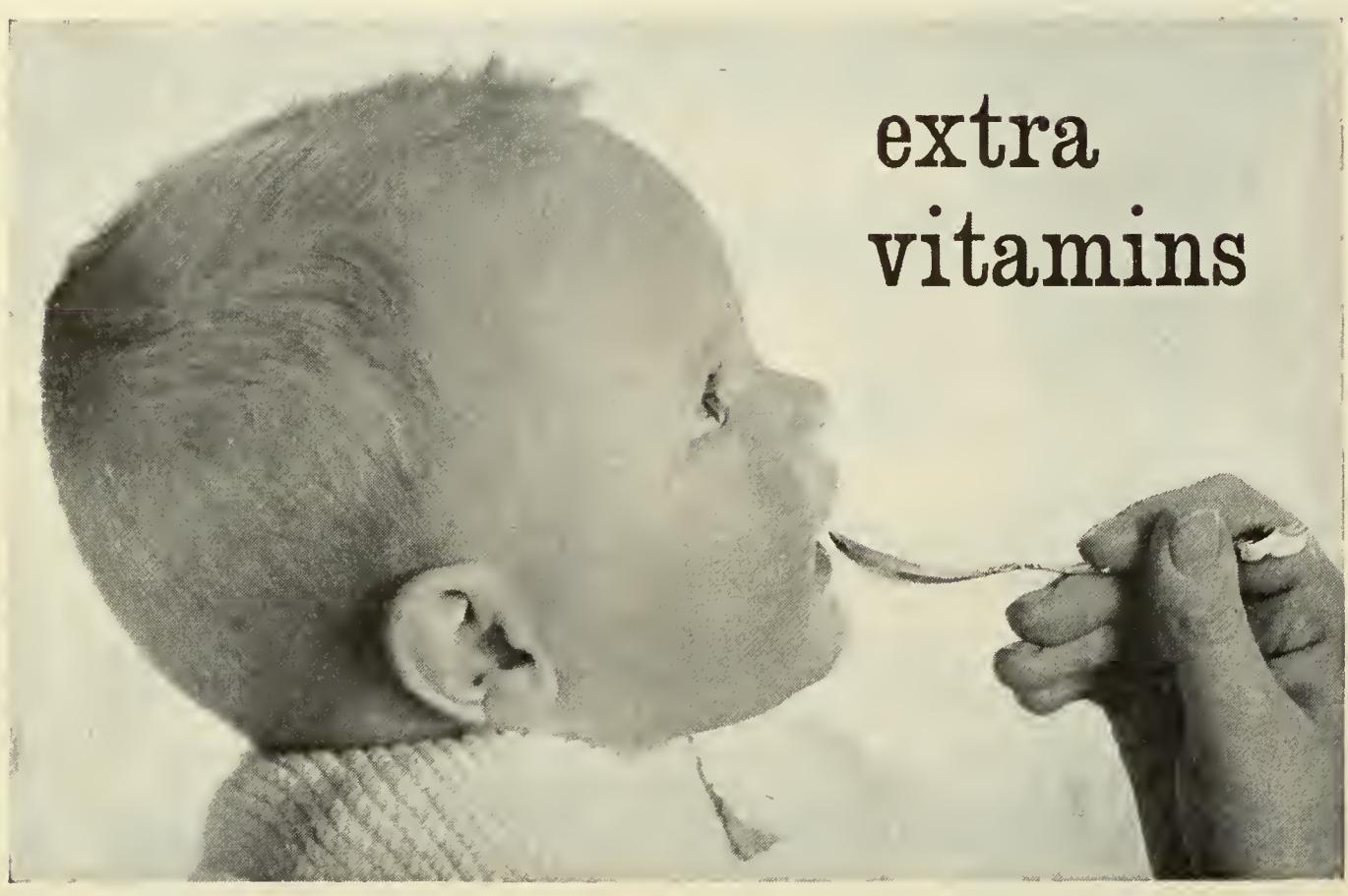
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The

CHEMIST AND DRUGGIST

Volume 180

DECEMBER 14, 1963

No. 4374

P.A.T.A. and Stamps

STATEMENT TO M.P.'S

IN a statement of policy sent to all Members of Parliament, the Proprietary Articles Trade Association stresses that trading stamps are regarded by pharmacists as a sales "gimmick" inappropriate to the standards of pharmacy and its close links with the National Health Service. The notion of encouraging purchases of drugs and pharmaceutical products beyond actual need is declared unthinkable, while manufacturers and wholesalers remain firm believers in the system of resale price maintenance as essential to the efficient distribution of branded goods. It is pointed out that the Pharmaceutical Society, National Pharmaceutical Union and Proprietary Articles Trade Association have all expressed opposition to stamp trading, and the Council of the Pharmaceutical Society "considers that trading stamp schemes are prejudicial to the standing of pharmacy with the public and the maintenance of good relations within the profession, and any pharmacist taking part in such schemes must be prepared to face the consequences" [i.e., disciplinary action]. As the council of the P.A.T.A. considers stamp trading to be as repugnant as any other form of price cutting, it regards it as essential that the power to impose such conditions as are given by Section 25 of the Restrictive Trade Practices Act, 1956, should be retained.

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in certain procedures. Future Pharmacopœial and Codex specifications will refer to those substances; a joint committee is being established to administer the scheme.

Staff Training

N.P.U.'S CONFERENCE IN SWANSEA

"A MARKED success" was the verdict on the National Pharmaceutical Union's first half-day staff-training conference, held in Swansea on November 14. The conference was designed as an introduction to the Union's staff



training course and to provide assistants with an opportunity to check their knowledge and express their own ideas. An afternoon session, attended mainly by staff, though open to employers, drew an attendance of about eighty to hear addresses by Miss E. M. Pepperell (assistant director, Industrial Welfare Society) and Mr. E. J. Downing (a member of the N.P.U. staff). A new N.P.U. sound filmstrip, "Making a Sale," was shown, after which the conference broke into small groups for discussion of the questions raised. At a second session for proprietors only, held in the evening, Miss Pepperell spoke about problems in staff relationships and staff training. Members present were of the opinion that the conference had achieved its purpose by stimulating greater interest of staffs in their work and by giving proprietors an opportunity to discuss with members of staff concerned, and on a common ground, matters connected with training.

Industrial Research

BRITISH TEAM STUDIES SOVIET METHODS

IN a report recently published on Soviet Industrial Research a delegation from the Federation of British Indus-

tries, which visited Russia in October, praised Russian research activity, including fundamental, as being more aligned towards ultimate industrial use than in the United Kingdom. Scientists, they found, were well aware that their work would be judged largely on the value of its application to industry. The authoritative position of the Soviet State Committee for Co-ordination of Scientific Research was felt to be an advantage. The system was flexible enough to allow freedom of action within the research institutes, which had power to allocate around 10-15 per cent. of their income to programmes of their own choice. The delegation considered that British companies would be well advised to look into the processes offered by Licensitorg, the Soviet agency set up to trade in licences and processes, and to consider sending specialist teams to Russia for direct discussions.

Import and Export Lists

REVISED EDITIONS FOR 1964

A REVISED edition of the export list of articles of merchandise produced or manufactured in and exported from the United Kingdom or Channel Islands is being published for use from January 1, 1964. The headings in certain divisions of the list have been revised. A revised edition of the "Statistical Classification for Imported Goods and for Re-exported Goods" for the guidance of users of statistics is also being issued for use from that date. Each is available from H.M. Stationery Office, price 10s.

Costs of Prescribing

MINISTRY'S "SHARED CONCERN"

THE Ministry of Health and Department of Health for Scotland "share the concern" of the Committee of Public Accounts at the rising cost of prescribing under the National Health Service. A Treasury minute dated November 18 replying to the Committee's reports for the session 1962-63 (see C. & D., August 3, p. 108). The Departments will "continue to seek ways of containing it." Special investigations of prescribing costs in areas in which they are high are being continued in England and Wales and in Scotland. The Ministry of Health has noted "and takes fully into account" the Committee's recommendation to be critical of costs of sales-promotion activities when negotiating with manufacturers the prices for Health Service drugs. The Committee's recommendation was that,

when the Voluntary Price Regulation Scheme came up for review, the Ministry should press for regular disclosure by all manufacturers of their promotion expenditure in relation to sales. The Ministry agrees with the Committee that, whatever the form or forms of voluntary price restraint agreed with the Association of the British Pharmaceutical Industry, they must be clearly binding on all members.

South-western Hospitals

ELECTION TO PHARMACISTS' COMMITTEE

ELECTED to the committee for the year 1964 at the annual meeting of the South-west Metropolitan Hospital Pharmacists' Committee on November 22 were:—*Metropolitan general hospitals*: Misses D. N. Jones, E. Sorensen and Messrs. A. W. Giles and W. N. Hailstone. *Surrey and Sussex general hospitals*: Messrs. J. W. Allister, E. A. Cross, J. D. Burns, J. S. Rutter and G. J. J. Turner. *Mental hospitals*: Messrs. L. P. Decker, K. Gillanders, R. Holdsworth and W. R. C. Parker. *Co-opted members representing teaching hospitals*: Miss J. Allen and Mr. C. G. Hopper. Reviewing the year's work, the chairman (Mr. E. A. Cross) spoke of the committee's activity in achieving quality control of drugs by manufacturers and of the training schemes arranged for pharmacists and dispensing assistants (see *C. & D.*, October 12, p. 386). He also mentioned that a news bulletin, to keep pharmacists in the area informed of the committee's work, had been issued. A lecture on "Aerosols," given by Mr. R. G. Harris (technical director, Swallowfield Aerosols, Ltd.) followed the meeting.

In the Sale Room

HIGH PRICES FOR SPANISH MORTARS

AMONGST much Spanish pottery in a recent sale at Christie's, London, were several eighteenth-century Toledo albarelli decorated with armorial bearings. Two unusual pottery mortars were included. One of the sixteenth century, which fetched 75 guineas, was of gothic baluster form, 9 in.

high, modelled with ribbing, and decorated in brown and green glaze. It showed signs of having been well used. The last time any similar mor-



A 75-GUINEA MORTAR: A Spanish pottery vessel that came under the hammer at Christie's sale rooms recently.

tars appeared in the London sale rooms seems to have been in 1938, when two smaller and less decorated mortars were dispersed from the Ridout collection. The second, of much earlier date, was square-topped, about 5 in. wide and about the same height, partly covered with green glaze. While Spanish stone and marble mortars are noted in many collections, many being handsomely decorated or engraved, pottery mortars are less well known, and the two described are sufficiently rare to deserve a mention. Another Spanish mortar in ivory with an ivory pestle, and which fetched 60 guineas, was described as a rare Hispano-Moresque mortar, possibly thirteenth century. It had shaped arched panels alternatively carved with deer and peacocks, the lower portion bearing a circular Arabic inscription.

OUT-PATIENT DISPENSING

Westminster hospital surveys waiting time

DISPENSARY work in the pharmacy department at Westminster hospital, London, is examined in No. 54 of a series "Abstracts of Efficiency Studies in the Hospital Service" issued by the Ministry of Health (H.M. Stationery Office, price eightpence). The object of the examination was to provide a better dispensing service for out-patients by reducing waiting time and improving waiting conditions.

A time study of out-patient dispensing carried out over a period of eight days showed that a common waiting time was 6-10 minutes, the average being 18 minutes, and that 30 per cent. of patients were kept waiting for 20-60 minutes. Time taken in dispensing a prescription remained constant at about four minutes. Major cause of the variations was found to be the arrival, on two mornings a week, of clinic pre-

scriptions before the daily work of dispensing for the wards had been completed.

To reduce the work peak on those two days, the investigators proposed an earlier start for the dispensary staff. That was put into practice, resulting in completion of in-patient work before the out-patient peaks were reached. Arrangements were also suggested for augmenting the dispensary staff with pharmacists working in other sections of the department and transferring the supply of ward stock items to the pharmacy stores staff.

As part of a general rearrangement of the dispensary layout, the reintroduction of an open-type counter for out-patient service was proposed. That would help patients, it was thought, to see that they were receiving attention and would also be more convenient for the staff.

IRISH NEWS

THE REPUBLIC

I.C.I. in the Republic

PLANS FOR EXPANSION

A NEW company, Imperial Chemical Industries (Ireland), Ltd., has been formed to take over the activities of the Dublin and Cork branches of Imperial Chemical Industries (Export), Ltd. As a result, management and administrative decisions are being transferred from London to Eire. The managing director of the new company (Mr. J. S. Watkins) said in Dublin recently that trading in chemicals for use in Irish agriculture would commence on January 1, 1964. He added that friendly discussions were taking place with the Irish fertiliser manufacturers, W. & H. M. Goulding, with a view to closer collaboration in agricultural developments in the Republic. It was intended to bring together all I.C.I. activities in Ireland under one management. Mr. Peter Casey has been appointed commercial director; Mr. Stanley Magee (manager for agricultural chemicals) is being joined by Messrs. Thomas Caffrey and Donald Casey.

THE NORTH

Ulster Chemists

NEW OFFICERS ELECTED

MRS. A. S. G. Watson was elected the new President of the Ulster Chemists' Association at the monthly meeting of the Executive Committee held in Belfast on December 3. Mr. J. C. Wellwood was elected to succeed Mrs. Watson as Vice-president. Other appointments were:—

Treasurer, J. F. Rankin; Auditors, J. A. McRoberts and R. C. McCullough; Secretaries, J. K. McGregor and T. I. O'Rourke. Representatives to Benevolent Fund Committee, Mrs. A. S. G. Watson and J. C. Wellwood. Action Committee, J. K. McGregor (chairman), J. A. Brown, W. J. Moffett, C. L. G. Rattie, T. I. O'Rourke. House Committee, J. Knox (chairman), W. L. McDonnell, R. Gibson, T. I. O'Rourke. Representatives on Joint Council, Mrs. A. S. G. Watson, J. C. Wellwood, W. E. Cooper and T. I. O'Rourke. Representatives to Belfast Chamber of Trade, Mrs. A. S. G. Watson, J. A. Brown. Representative to Ulster Tourist Development Association, W. H. Boyd.

Mrs. Watson thanked the Committee for the honour they had conferred upon her and, on the proposal of Mr. W. H. Boyd, a vote of thanks to the outgoing president (Mr. N. A. J. Anderson) for his excellent service to the Association during his term of office was passed with acclamation. Matters arising from the annual meeting were considered.

Belfast College

PHARMACY DEPARTMENT IMPROVEMENTS

THE provision of additional laboratory accommodation for pharmaceutical studies at Belfast College of Technology is being proceeded with as a matter of urgency. A statement issued by the Council of the Pharmaceutical Society of Northern Ireland says that among the facilities provided for by the plans are a suite for practice in aseptic technique, an advanced pharmaceuticals laboratory and new laboratories for microbiology, pharmacology,

physiology and pharmacognosy. Space is also being set aside for research. Additional senior staff appointments will be made in the near future. The statement adds that the Council, the Education Authority and the college have agreed that the department of pharmacy must have the staff, accommodation and equipment comparable with other schools of similar standing.

NEWS IN BRIEF

MAY & Baker, Ltd., have donated £25,000 to the University of Essex foundation fund.

NEW maximum rates of night subsistence allowances have been agreed by the Whitley Council and published in General Council Circular No. 60.

The World Health Organisation has published a list of yellow-fever vaccinating centres for international travel (H.M. Stationery Office, price 3s. 6d.).

A FAN demister is believed to have been the source of a fire in a display window at the pharmacy of Lester & Williamson, Ltd., Foleshill Road, Coventry, on December 7.

An exhibition of hospital lighting equipment is being held at the lighting demonstration centre of the British Lighting Council, 16 Lancaster Place, London, W.C.2, on February 7, 1964.

Two-day seminars on "Techniques for Achieving Product Reliability" are being arranged to take place in London and Manchester during February 1964. Details are obtainable from Industrial Education International, Ltd., 30 Fleet Street, London, E.C.4.

An examination is in progress by the vehicles committee of Traders' Road Transport Association of the implications of the recently announced proposal for the annual testing of goods vehicles over 30 cwt. The Committee is expressing some reservation over details of the projected scheme.

FOLLOWING recent reports of addiction to chlorodyne (see *C. & D.*, November 16, p. 517) Mr. F. W. Adams (secretary and registrar, Pharmaceutical Society) has written to the *British Medical Journal* pointing out that, if evidence reaches the Society that a person is obtaining chlorodyne to excess, pharmacists in the area are advised so that they can take steps to prevent supplies reaching him. Mr. Adams's letter was published on December 7.

LORD Cohen of Birkenhead is to retire from the chairmanship of the Central Health Services Council which he has held since 1957. The vice-chairman (Sir Edward Collingwood, chairman of Newcastle Regional Hospital Board and treasurer of the Medical Research Council), is to succeed him. Lord Cohen has been succeeded as chairman of the standing medical advisory committee of the Ministry of Health by Professor R. E. Tunbridge (Professor of Medicine, Leeds University), who was also elected vice-chairman of the council.

LOCAL OFFICERS

PHARMACEUTICAL COMMITTEES

Soke of Peterborough. — Secretary, D. H. Shrive, M.P.S., Abbotsford, 126 Park Road, Peterborough.

TOPICAL REFLECTIONS

By Xrayser

Registration

The Pharmacy Act of 1954 states that a person shall be entitled to have his name registered if he satisfies the registrar of the Pharmaceutical Society that he is qualified to have his name registered and pays the Society such fee in respect of registration as is prescribed. Under Section 14 of the same Act it is stated that every person whose name is registered shall, by virtue of registration, be a member of the Pharmaceutical Society, and shall, on ceasing to be registered, cease to be a member of the Society. That preamble is necessary to the understanding of a question asked in the House of Commons on December 2. Mr. J. Hall asked the Minister of Health (p. 601) what representations he had received requesting amendment of Section 14 from pharmaceutical chemists who, by reason of their religious beliefs, refused to become members of the Pharmaceutical Society and in consequence had had their names removed from the register and were deprived of their means of livelihood. The reply stated that the previous Minister of Health had been asked to introduce amending legislation and had said that the most appropriate way in which the difficulties might be considered was by way of a Private Member's Bill. It would seem, on the face of it, that removal of the names sprang primarily from a failure to comply with the conditions attaching to registration, and that failure meant that those concerned thereby ceased to be members of the Society, under the terms of Section 14. That method—the only one open—was evidently deliberately chosen as a means of giving up membership.

What is involved

Let us try to see what is involved in Mr. Hall's question. Registration is carried out by the Society, which has the power to prescribe the fees for registration and retention of a name on the register. No amendment of Section 14 could alter that fact. There can be no question of "opting out" in the matter of payment of the prescribed fee. Registration is compulsory. The Council of the Society has issued a Statement upon Matters of Professional Conduct. That statement is regarded as pharmacy's ethical code, and circumstances could arise under which disregard of that code might result in the removal from the register of the name of a registered pharmacist. That statement has been issued by the Council "for the guidance of pharmacists and corporate bodies carrying on business under the Pharmacy Acts." It has nothing to do with membership of the Society except in so far as registration carries with it that membership. The Pharmacy Acts are administered by the Society, regardless of membership, for the Society has had laid upon it that duty. But prosecution of a registered pharmacist may, in certain circumstances and in the public interest, result in his being found unfit to have his name retained on that register. In that event, under Section 14, he automatically ceases to be a member of the Society, as a direct consequence of his no longer being a registered person.

The outcome

What, then, could be accomplished by an amendment to Section 14 that gave the option to abdicate from membership? The conditions attaching to registration would still have to be fulfilled. The Council is elected by members as such, and may, at the behest of its members, make recommendations that can affect all registered pharmacists. Opting out, if that were made possible, could not alter the fact that the Council of the Society, of which one chose not to be a member, would still be elected by members. There are, of course, fields in which pharmacists may find employment in which registration and its consequent membership are not obligatory, and one might have thought that that would have suggested itself as a way of overcoming "difficulties." The whole thing seems to me to be without much point, for without a rewriting of the whole of the Pharmacy Acts, and not just one section, little would be achieved. And whether, to paraphrase Tony Weller, it is worth any private member's while to go through so much to achieve so little is matter for speculation.

IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

COMPLAINTS about delays in the delivery of parcels by post were mentioned in a written reply by MR. RAYMOND MAWBY (Assistant Post Master General) in the House of Commons on December 4 to a question by MR. C. L. HALE. It was estimated, said Mr. Mawby that, in the three months August to October, well over 50 million parcels had been posted. In the same period 5,000 complaints, "or about one for every 10,000 parcels posted over that period," had been received. He regretted the all-too-frequent delays in the delivery of perishable goods while parcels were in transit on the railways. British Railways, he declared, were alive to the need for improving the service and were working with the Post Office in a sustained effort to that end.

Infectious Bronchitis in Chickens

EARL FERRERS agreed with LORD RUSSELL on November 28 in the House of Lords when he pointed out that infectious bronchitis, an acute respiratory disease of chickens, had become much more widespread during the past five years. Earl Ferrers said that, in view of the known hazards of live vaccines and the fact that their long-term value was open to question, it would not be in the interest of poultry keepers either to import such vaccines or to subsidise their supply.

N.H.S. Costs

MR. W. M. J. WORSLEY asked the Minister of Health what was the total cost of the National Health Service in England and Wales in the latest available year and what percentage increase, in real terms, that figure represented over the cost in 1951-52. MR. ANTHONY BARBER (Minister of Health) in a written answer on December 9 indicated that the total cost in 1962-63 was £885 millions and the increase in real terms over the cost in 1951-52 was about 27 per cent.

Warble Fly Infestation

MR. JAMES SCOTT-HOPKINS (Joint Parliamentary Secretary, Ministry of Agriculture, Fisheries and Food) indicated to SIR BARNETT JANNER that there were many practical difficulties preventing the institution of a nationwide scheme, coupled with the necessary powers for enforcement, for the eradication of warble fly infestation. It would also involve disproportionately high expenditure. That information was given in a written answer on December 9.

Diabetic Packs

MRS. HARRIET SLATER asked the Minister of Health on December 9 if he was aware of the high cost of diabetic packs compared with the value of the goods in them and what action he proposed to take. MR. B. BRAINE (Joint Parliamentary Secretary, Ministry of Health) said that the price to the Health Service of one of the two packs in common use had recently been reduced and the Minister of Health had no reason to question it. Discussions about the price of the

second pack were in progress with the manufacturer. Mrs. SLATER said she was not only concerned with the price to the National Health Service but with the fact that some of the people who bought the packs were asked to pay 10s. for a pack which was a small perspex case when the commodity in it cost about 4s. 9d. "Thus, they are paying 5s. 3d. for the small pack. If this is happening in the National Health Service, is it not time that steps were taken to see that the National Health Service and the private person who buys these packs are not asked to pay such high prices merely for the pack which contains the commodity? These firms have been looked at before now." MR. BRAINE said that he had no information that supported the suggestion that the pack cost as much as Mrs. Slater indicated but if she would give him more information he would certainly look into it. Replying later he said that on October 1 the price of a 10s. pack had been reduced to 8s. 2d., which caused Mrs. Slater to comment "That is still 2s. too much."

Drug or Food?

MR. N. PENTLAND asked the Minister of Health on December 9 if he would introduce legislation allowing a general practitioner under the National Health Service to prescribe Complan for patients without being subject to surcharge. MR. BRAINE replied, "No Sir" and later said that he was always willing to look into special cases but under the Acts a doctor was not entitled to prescribe any preparation which "is not in the circumstances of the case a drug." Any case of doubt was referred to independent referees and it would be wrong for that "very fair arrangement" to be interfered with.

Incontinence Pads

DR. J. DICKSON MABON asked the Minister of Health on December 9 if he had reconsidered the proposal to make incontinence pads freely available on form EC10 by their inclusion in the official list for England and Wales, as in Scotland. MR. BRAINE replied that the Minister's predecessor had decided that they should be supplied through the local authorities and a circular had been sent to them recommending their provision.

LEGAL REPORTS

Tetracycline Patents

THE Pfizer Corporation, Sandwich, Kent, is lodging an appeal to the House of Lords against the recent Appeal Court decision in the company's action against the Ministry of Health concerning the Ministry's use of section 46 of the Patents Act, 1949, to import the patented antibiotic tetracycline (see *C. & D.*, October 19, p. 414).

A Pharmacist Commended

AT Daventry, Northants, magistrates' court recently, Mr. Arthur Lemon, M.P.S., Long Buckby, was thanked for his bravery and public spirit. Mr. Lemon had got up early one morning

on hearing the sound of breaking glass, and in his investigations was assaulted by one of two shop-breakers. At the hearing James Nixon and Brian York, both of Long Buckby, were jointly charged with breaking and entering two local shops and stealing sums of £5 and 10s. Nixon was fined £10 on each charge and a further £25 for assaulting Mr. Lemon, who was alleged to have been punched in the face, grabbed round the neck, and forced to the ground. York was remanded in custody so that the court could consider his suitability for Borstal training.

Unauthorised Sale

TRADERS must not rely on trade catalogues, MR. A. C. CASTLE, prosecuting for the Pharmaceutical Society of Great Britain told Highgate magistrates' court on December 9. He was appearing in a case in which drug-store proprietor Gordon Hockley, 220 Fortis Green Road, Muswell Hill, London, pleaded guilty to two summonses under the Pharmacy and Poisons Act, 1933. The first summons alleged the illegal sale of a Part I poison, namely hyoscine hydrobromide in Kwells, the sale not being made by an authorised seller of poisons. The second summons alleged illegal sale of the same poison in the same preparation in a container not labelled in the manner prescribed by the Act. Hockley was fined £5 on each summons, and ordered to pay £5 5s. costs. During the evidence it was stated that the premises were visited by an officer of the Pharmaceutical Society on July 26 and a test purchase was carried out. Mr. Castle said the excuse later put forward was that in a trade catalogue the tablets were shown and not marked as being a Part I poison.

Reluctantly Dismissed

THE magistrate "reluctantly" dismissed six summonses brought by the Pharmaceutical Society at the North London magistrates' court on December 3. The defendant, Mrs. Doris Joan Clarke, 4A Cranley Gardens, Muswell Hill, London, N.10, pleaded not guilty to six summonses alleging that she had illegally sold Preludin and Dexedrine tablets, not in accordance with a medical prescription, on dates between November 1, 1962, and February 15, 1963. She pleaded not guilty to a further summons alleging the illegal sale of dextromethorphan in Antussin on March 4, and on that summons she was convicted. The six summonses alleged that the offences were committed at Mrs. Clarke's shop at 8 Blackstock Road, London, N.4, but Mrs. Clarke told the court that she had never sold the drugs at that shop. COUNSEL for the Pharmaceutical Society said both Preludin and Dexedrine were Schedule-4 poisons. Mrs. Clarke was not a registered pharmacist. She had ordered goods from two suppliers of the highest repute. What was alleged to have happened was that the poisons were supplied to her through negligence and not through any deliberate evasion of the law. After saying that Mrs. Clarke had been completely frank about the matter, counsel stated that an inspector of the

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AND
PROFIT AND LOSS ACCOUNT
FOR THE YEAR ENDED
JULY 31, 1963

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Society went into her shop at 8 Blackstock Road on March 4 and bought a bottle of Antussin cough mixture. Mrs. Clarke was not there and it was sold to him by an assistant. On March 29 the inspector, with another inspector and a police officer, went back to the shop, saw the manageress and took possession of a number of invoices. Later Mrs. Clarke was interviewed and when asked about tablets which had been invoiced to her she said she had sold them to customers. An inspector of the Society gave evidence of buying a bottle of Antussin and of examining invoices. Witness told the court that Mrs. Clarke did not say anything about where the tablets had been sold. Defending counsel submitted that, so far as the first six summonses were concerned, there was no evidence that his client had ever sold the drugs at 8 Blackstock Road. The magistrate said he thought there was a *prima facie* case, and heard evidence by Mrs. Clarke, who said she received the items referred to in the invoices, apart from the Antussin at the Blackstock Road shop, but had not sold them there. Cross-examined, she said she did not quite understand she was not entitled to have these drugs until the inspector told her. After saying that she ran a "shuttle service" between two shops, she stated that the tablets were sold as slimming tablets, and not as "pep pills." Asked if she knew the danger of young people taking the drugs "for kicks," Mrs. Clarke maintained that they were sold to people wanting to lose weight. The magistrate said that, with some reluctance, because it was quite clear that the law was broken somewhere, he would dismiss the first six summonses, but he thought there was no defence on the last summons. He imposed a fine of £10 for that offence, making no order as to costs. Summonses brought by the Society against Sangers, Ltd., 258 Euston Road, N.W.1, alleging five illegal sales of Dexedrine, were adjourned indefinitely pending a decision in another court on a point of law. The magistrate was informed that the company proposed to adopt a defence similar to that taken by W. Sutton & Co. (Druggists Sundries), London, Ltd., in a parallel case and an appeal was pending in the High Court.

COMPANY NEWS

Previous year's figures in parentheses

THE BRITISH DRUG HOUSES, LTD.—Mr. R. C. McCrow has been appointed a director while Mr. L. D. Johnson, jun., has resigned from the board.

JOHN BELL, HILLS & LUCAS, LTD.—Mr. D. J. Todd (formerly joint sales director, proprietary marketing division) has been appointed sales director of the company.

ROUSSEL-UCLAF, Paris.—Capital is being increased from Fr.119.64 millions to Fr.123.63 millions, in order to take over several small companies, among them the Etablissement E. Quentin of Paris.

Societa p. Az. SQUIBB, Rome, and KENDALL CO., Boston, U.S.A., have jointly formed in Rome, on a fifty-fifty basis, a new company for the manufac-

ture and marketing of medical and surgical textile and plastic materials. Known as Soc. p. Az. Gregg, its initial capital is 150 million lire with authority to increase it up to 600 millions.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—A new agricultural division is assuming responsibility on January 1, 1964, for the company's products for agriculture (except veterinary products). Business and assets of the present Billingham division (including its business in industrial chemicals and building products) are being taken over by the division, as are the company's interests in Scottish Agricultural Industries, Richardson's Fertilisers, Northern Ireland, and Ulster Fertilisers. From May 1, 1964, the agricultural division is assuming responsibility for Plant Protection, Ltd. Chairman will be Mr. W. D. d'Leny (at present chairman of the Billingham division) who is being succeeded on his retirement at the end of March, 1964, by Mr. R. S. Wright (at present a managing director at Billingham).

BUSINESS CHANGES

MR. T. A. JAMES, M.P.S., has opened a pharmacy at 106 Caeharris, Dowlais, Merthyr Tydfil.

THE oldest pharmacy in Ramsgate, Kent, that of Norman Wilson, Ltd., 9 Queen Street, opened about 100 years ago, has been closed.

Appointments

WILLIAM R. WARNER & CO., LTD., Eastleigh, Hants, have appointed Messrs. A. G. Johnstone and A. Milne, branch managers for their range of "ethical" products.

PARKE, DAVIS & CO., Hounslow, Middlesex, have appointed Mr. J. R. Archer, B.Sc., M.P.S., manager of their advertising and medical service department.

LEDERLE LABORATORIES division of Cyanamid of Great Britain, Ltd., have promoted Mr. D. A. Bosson manager of their North London area. He succeeds Mr. R. C. Arey, who has been promoted sales office manager at Bush House, London, W.C.2.

OVERSEAS VISITS

MR. W. E. LUSTY (managing director, Lusty's Natural Products Co., Ltd.), left England on December 5 for a world tour. He is calling upon the company's overseas agents and prospective agents and will visit the following places:—Trinidad, Curacao, Panama, Tahiti and Fiji on his way to New Zealand. He will return by sea from Australia, arriving in England on March 16, 1964.

MR. R. GORDON ARCHER (managing director, Gerhardt-Penick, Ltd.) left for Ankara recently at the invitation of the Turkish Government to attend a conference organised by Toprak Mahsulleri Ofisi (a body controlling the Turkish Government opium monopoly) to discuss the world sales programme of Turkish opium. It was subsequently announced that Gerhardt-Penick, Ltd., were being appointed United Kingdom representatives of T.M.O. for the sale of Turkish opium in the United Kingdom.

EXPANSION PLANS

GLAXO Laboratories (Nigeria), Ltd., state that the building of additional facilities costing approximately £150,000 at their factory at Apapa, Nigeria, is almost completed. The factory will be producing a large number of pharmaceuticals for sale by Glaxo-Allenburys (Nigeria), Ltd., throughout Nigeria.

PRODUITS Sandoz, S.A., the French subsidiary of Sandoz, Ltd., Basle, Switzerland, have announced the construction of a new plant for the production of chemicals at Huningue, in the upper Rhine. The new plant, the company's third in France, is expected to be ready by the end of 1965.

REICHHOLD Chemicals (Canada), Ltd., have started construction of a formaldehyde plant at their Port Moody, British Columbia, plant site. The formaldehyde plant will have an initial capacity of 15 million lb. per year but may be easily expanded to 30 million lb.

RIKER Laboratories (division of Vantorex, Ltd.), Loughborough, Leics, have made arrangements for Sima Laboratories, Ltd., Hakimson's Buildings, West Wharf Road, Karachi, to manufacture their medical products in Pakistan. Distribution of the company's products in both regions of Pakistan remains in the hands of J. L. Morison, Son & Jones (Karachi), Ltd., Nadir House, McLeod Road, Karachi (with branch at Chittagong).

WORK starts shortly at a site near Swords, co. Dublin, Eire, on a new manufacturing plant for Squibb, Ltd. (associate of Olin Mathieson Chemical Corporation, New York, U.S.A.). The factory is expected to cost £1 million and to begin production in the second half of 1964. It will produce bulk raw materials for "ethical" drugs for export and will employ a staff of about fifty, mostly men. The plant, which is considered by the parent company as only the initial stage in a long-range programme, was announced following negotiations with the Industrial Development Authority.

MERCK Sharp & Dohme, Ltd., announce plans for a £785,000 expansion of the company's premises in Hoddesdon, Herts. The expansion is the second stage in a long-range programme initiated in 1958. It calls for the construction of a new four-story building, three floors of which will be used for production, laboratories and warehousing and one for offices. Total additional area involved is 62,000 sq. ft. Since the completion of the first stage in 1960, annual sales have increased by more than 40 per cent. Employees have increased during the same period from 354 to 433.

STERLING Drug Inc., New York, U.S.A., are constructing a 40,000-sq. ft. research laboratory that will cost between \$1.5-2 millions. The laboratory, scheduled to be completed by early 1965, will be additional to present facilities at the Sterling Winthrop Research Institute, Rensselaer, New York. A \$1.5 million vaccine manufacturing plant, due to be completed by January 1964, is also under construction at Rensselaer. —The company also intend to set up a drug factory to serve the Jamaican

and other Caribbean markets. Their final decision will depend on the Jamaican Government's approval of the company's application under the Industrial Incentives Law.

PERSONALITIES

PROFESSOR JOHN T. EDSALL, Harvard University, has been named president of the sixth International Congress of Biochemistry, New York, U.S.A., July 26 to August 1, 1964. Professor Edsall is an authority on protein chemistry.

MR. F. W. GRIFFIN, M.B.E., B.Sc., F.P.S., who was recently appointed deputy managing director of The British Drug Houses, Ltd., joined the company in 1945 as manager of its Bombay branch. When B.D.H. India, Ltd., was formed he was appointed its managing director and in 1957 he joined the board of the parent company, with special responsibility for overseas activities. For the past two years he has been concerned with the expansion of the company's wholesaling activities.

MR. R. N. FOX, manager of the insulin manufacturing department at the Wellcome Chemical Works, Dartford, since 1943, retired in November after forty-six years' service with Burroughs Wellcome & Co. The first twenty-four years of his career were spent in the works chemical development laboratories, where he was particularly concerned with work on ergot and digitalis. He also undertook development work on insulin and remembers the first pancreas ever received at the works. Mr. Fox received from Mr. F. G. Rundall (general works manager) gifts of a transistor radio, from the men in his department, and a record player from his many other friends in the company.

MR. J. R. ARCHER, whose new appointment with Parke, Davis & Co., is announced on p. 621, is a graduate of the department of pharmacology, School of Medicine, University of Leeds. He joined the company in 1953 as a member of the medical service department and in 1955 was appointed liaison executive, in which capacity he was assistant to the general manager (Mr. L. O. Smith). For five years he was the company's representative on the council, and later the executive, of the Proprietary Articles Trade Association. He was appointed manager of the medical service department in 1961—a position he held until last month when he took over his new post.

DR. A. H. BECKETT, head of the school of pharmacy, Chelsea College of Science and Technology, has returned from a two months' lecture tour in Canada as a Nuffield Foundation lecturer at the invitation of the National Research Council of Canada and Canadian Council of Pharmaceutical Faculties. Dr. Beckett has visited the pharmaceutical faculties of the universities of Dalhousie, Montreal, Toronto, Manitoba, Saskatchewan, Alberta and British Columbia, giving lectures at research and undergraduate level. He has also given lectures in departments of chemistry and pharmacology and scientific lectures at popular level to the Vancouver Institute

and Royal Canadian Institute, Toronto. While in British Columbia he was made an honorary member of the Pharmaceutical Association of the Province of British Columbia.

DR. W. SALZER, who has been appointed to the board of FBA Pharmaceuticals, Ltd., qualified as a pharmacist in Stuttgart in 1934 and, following a period as a research assistant to Professor Bamann, he was awarded a doctorate in natural science by Tübingen University in 1936. He joined the staff of the Elberfeld Works of Farbenfabriken Bayer, A.G., in January 1938 and worked in the research department on organic synthesis. In 1947 he was appointed to the department of pharmacology. He was made a director of Farbenfabriken Bayer, A.G., in 1961 and in the same year managing director of the Elberfeld factory. In that capacity he is responsible for all pharmaceutical and insecticide research and production carried on by Farbenfabriken Bayer, A.G.

MRS. A. S. G. WATSON, who was elected *President* of the Ulster Chemists' Association

on December 3 (see p. 618), is the second lady to hold that office (the first was Miss C. E. Culbert, 1949). Mrs. Watson qualified in 1948 and for the past eleven years has carried on the pharmacy at 232 Albertbridge Road, Belfast, 5, established by her father, the late Mr. Charles Abernethy. The new president joined the executive committee of the Association nine years ago, and has held office as secretary and vice-president. Like Miss Culbert she is following in the footsteps of her father, who was a member of the committee for many years and its president in 1930.



DEATHS

ASTON.—Recently, Mr. Wilfred Charles Aston, M.P.S., 33 Upper Church Road, Weston-super-Mare, Somerset. Mr. Aston qualified in 1936.

BAILLIE.—On November 23, Mr. Frederick Baillie, M.P.S., 167 Moss Road, Glasgow, S.W.1. Mr. Baillie qualified in 1922.

BAKER.—On November 17, Mr. Edgar Thomas Baker, M.P.S., Tanglewood, Llanfair Close, S. Ascot, Berks. Mr. Baker qualified in 1900.

BERESFORD.—On November 2, Mr. Russell Beresford, M.P.S., 45 Carr Road, Greenford, Middlesex. Mr. Beresford qualified in 1934.

EVANS.—On November 23, Mr. David Ieuan Francis Evans, M.P.S., The Pharmacy, 5 Cross Street, Ellesmere, Shropshire. Mr. Evans qualified in 1935.

GOODSIR.—Recently, Mr. W. T. Goodsir, general sales manager of G. B. Kent & Sons, Ltd., 24 Old Bond Street,

London, W.1. Mr. Goodsir was also a director of the associated company, Titterton & Howard, Ltd. He is survived by his widow and a daughter. A colleague writes:—Mr. Goodsir had been in the brush trade most of his life and joined Kents in 1948. His wide knowledge of the industry, his enthusiasm and ability brought him deserved success.

HUTCHINSON.—Recently, Mr. Leonard Hutchinson, M.P.S.I., 69 The Quay, Waterford, Eire. Mr. Hutchinson, who qualified in 1920, had carried on a business as chemist and optician for over forty years until his retirement in November. A native of Waterford, he served with the British Army in France during the 1914-18 war and was awarded the O.B.E. for gallantry. In the 1939-45 war he took a prominent part in the activities of the air-raid precaution unit in Waterford.

JEFFERY.—On November 22, Mr. John Lees Jeffery, M.P.S., 7 Kennett Close, George Borrow Road, Norwich. Mr. Jeffery served his apprenticeship with J. F. Collin, The Walk, Norwich, and qualified in 1920 after service in the 1914-18 war. Later he went into business on his own account in Stalham, Norfolk. He retired in 1958.

JOHNSTON.—Recently, Mr. Edward Johnston, Wayland, London Road, Harleston, Norfolk. Mr. Johnston, who qualified as a chemist and druggist in 1910, began his pharmaceutical career with the late Mr. A. E. Churhyard at his pharmacy in The Thoroughfare, Harleston. On Mr. Churhyard's retirement, he took over the business. Mr. Johnston was prominent in local civic activities and was formerly a magistrate (he was placed on the supplemental list when he reached the age limit). Mr. Johnston is survived by a widow and one son.

PACE.—On December 6, Mr. William Pace, M.P.S., 3 Plunkett Road, Dinton, co. Durham. Mr. Pace qualified in 1921.

WALMSLEY.—On December 7, Mr. John Stanley Walmsley, M.P.S., The Coppice, Martens End Lane, Great Missenden, Bucks. Mr. Walmsley qualified in 1931. Mr. W. G. Hollis, M.P.S., writes:—John Walmsley will be missed by many pharmacists and by a great number of people in the pharmaceutical industry. During a full and varied career he was secretary, and later vice-chairman, of the Proprietary Association of Great Britain, a member of the board of Aspro-Nicholas, Ltd., and managing director of E. R. Squibb & Sons, Ltd. I first met John when I joined the P.A.G.B. in 1950 and I vividly recall the generous way in which he introduced me to a new career and the help which he continued to give during the period he served as vice-chairman of the Association. He will be remembered by many pharmacists in Lancashire, where he began his pharmaceutical career and at one time had his own pharmacy. His generous nature, strong personality and lively intelligence will long remain in our memories and his many friends will, I know, join with me in an expression of deep sympathy to his widow, Lois, and his two sons.

TRADE NOTES

Discontinued. — De Witt's catarrhal cream has been dropped from the price list of the manufacturers, E. C. De Witt & Co., Ltd., 2 Cherry Orchard Road, East Croydon, Surrey.

A Discontinued Size. — Allen & Hanburys, Ltd., Bethnal Green, London, E.2, announce that Euvalerol B is now available in the 8-oz. and 2-litre sizes only, the 20-oz. size having been discontinued.

Address of a Manufacturer. — The itemising cash tills of B.S.S.O. are obtainable from the company at 40 Furnival Street, London, E.C.4, and not as given in an advertisement in the *C. & D. Diary & Year Book*, 1964.

A 1-litre Pack. — Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex, announce that their speciality Vallergan brand trimeprazine tartrate syrup is now available in a 1-litre pack in addition to the previous 125-mil size.

"The Original." — *Collyre Bleu*, "the original Laiter clear-blue eye drops," for mild eye affection and for contact-lens users, are obtainable from usual wholesalers or from Dales Pharmaceuticals, Ltd., Power Road, Chiswick, London, W.4.

Supplies of Imipramine. — Biorex Laboratories, Ltd., 47 Exmouth Street, London, E.C.1, announce that they are able to supply imipramine tablets, B.P., 1963, for retail distribution through Berk Pharmaceuticals, Ltd., 8 Baker Street, London, W.1.

Appointed Agents. — Phils Drug Stores (Wholesale), Ltd., 187 Railway Approach, London, W.12, have been appointed sole agents and distributors for the White Laboratories cosmetic specialities Artra, Sulfur-8, Gloss-8, etc., from December 2.

Objections Submitted. — Smith Kline & French Laboratories, Ltd., Welwyn Garden City, Herts, announce that they have made representations to the Poisons Board objecting to the proposed inclusion of their product Procol in the Fourth Schedule to the Poisons Rules.

Hand-and-body Lotion. — Douglas Welsh, M.P.S., Main Street, Longniddry, East Lothian, markets a speciality Welsh's hand-and-body lotion, containing lanolin, glycerin and almond oil with a moisturising conditioner. The product is available in bottles of two sizes.

Medicine Measures in Polythene. — Amplex Appliances (Kent), Ltd., 6A Tylney Road, Bromley, Kent, offer medicine measures in Ambythene (polythene). The measures, which are unbreakable, are graduated in imperial and metric dosages and are in 1-oz. and 2-oz. sizes, the latter alternatively with lid.

Delays Reduced. — Following the acquisition of the Standard Tablet Co., Ltd., by J. M. Loveridge, Ltd., Southampton, the former company's full production capacity is being transferred from Brighton to Southampton. The transfer, Messrs. Loveridge state, should considerably reduce delays between receipt of orders and subsequent dispatch.

Renamed. — Dista Products, Ltd., Speke, Liverpool, 24, announce that, in view of changes official in the British National Formulary from January 1, 1964, their preparation penicillin V potassium suspension (ready prepared) has been renamed phenoxyethylpenicillin mixture, B.N.F., and the dosage has been adjusted to contain the equivalent of 62.5 mgm. of penicillin V as potassium salt in each 5 mils. The bottle contains 60 mils.

To Comply With B.P. — Boots Pure Drug Co., Ltd., Station Street, Nottingham, advise that Hydrenox M and Aprinox tablets are being decreased in size to comply with the B.P. 1963 tablet specifications. The colour of Hydrenox is being changed from yellow to white but the tablet size will remain unaltered. Present stocks are not obsolete and may be supplied on orders. The changes are to take place during the next few weeks.

Change of Distribution. — Macarthy's, Ltd., Macrom House, Seymer Road, Romford, Essex, have taken over the distribution of the Hico Climamask and accessories from Hirtz & Co., Ltd., and Hicom, Ltd., Bromley, Kent. Supplies are henceforth being made only through pharmacists. Stocks are available through trade wholesalers and from Messrs. Macarthy's depôts. Trade and retail prices are unchanged. The new distribution arrangements apply also to the Hico range of massagers, the Theraped and the Decubimat.

Cosmetic Industry Exhibition. — A new exhibition for the cosmetic industry is being sponsored by the Society of Cosmetic Chemists of Great Britain at the Corn Exchange, Brighton, Sussex, April 14-16, 1964. It will cover raw materials, packaging materials, cosmetic services, laboratory apparatus and manufacturing equipment. All exhibits will be technical and will be required to include at least one new development or product. Inquiries should be addressed to the organising contractors: Events Promotions, Ltd., 816 Holloway Road, London, N.19.

New Sizes. — Vick International, Ltd., 10 New Burlington Street, London, W.1, announce the introduction of a 1-oz. pack of Vick vapour rub throughout the United Kingdom except in Northern Ireland. The new size, which is cartoned, contains a leaflet listing the many uses of the rub. It was successfully introduced in the Tyne/Tees television area and in Scotland during the winters of 1961/62 and 1962/63. Eye appeal has been increased by improved packaging for counter and shelf display. Chemists are advised to sell out their stocks of the $\frac{1}{4}$ -oz. pack before promoting the new one. Also introduced is a 2-oz. "economy" size jar of Vick vapour rub "offering a substantial saving on the cost of the 1-oz. size."

Tests on Contraceptives. — London Rubber Industries, Ltd., Hall Lane, London, E.4, manufacturers of Durex protectives, state that they welcome the initiative of *Which?* in producing a comprehensive and interesting review of contraceptives (*C. & D.*, Nov. 23,

p. 558); they suggest that the "tests" described were "destruction" tests, not related to conditions in use. An "extreme" method that succeeds in destroying only five in 100 indicates "a high quality, not a mediocre one." The company claim that where the tests are continuously carried out both by the company and by Government Laboratories in several countries the level of quality is found to be far above that stipulated by the draft B.S.I. standard.

Three-in-one Offer. — Coty (England), Ltd., Stratford Place, London, W.1, are making a three-in-one offer of their



skin freshner, vitamin moisture balancer and Light and Lovely for sale throughout the country from February 1964.

Test Marketings in Progress. — Food Brokers, Ltd., Crown House, Morden, Surrey, launched two products in test markets, on December 2, on behalf of their manufacturers. In the Tyne/Tees television area the company are test marketing an effervescent vitamin-C tablet, Cee Feez, on behalf of Inter-Alia Pharmaceutical Services, Ltd., Sibley Grove, London, E.12, a product that is understood to contain the daily dosage of vitamin C recommended for maintaining good health and building up resistance to colds and flu. In the Southern television area the launch is of Ferguzade, the makers of which are Strathmore Springs, Ltd., Forfar, Scotland. Ferguzade is described as the "glucose drink with the delicious taste." It is claimed to contain 4½ per cent. more glucose than any competitive product on the market. The product has had a substantial share of the glucose drink market in Scotland since 1946.

Three Pharmaceutical Specialities. — Marshall's Pharmaceuticals, Ltd., 17 Henrietta Street, Strand, London, W.C.2, are the manufacturers of Kalmadol, which is described as a potent synthetic spasmolytic agent with direct action on unstripped muscle fibres. Claimed three times more effective than papaverine, yet three times less toxic, Kalmadol is indicated in painful or functional manifestations associated with spasm of the digestive tract or with respiratory cardiovascular, urinary, and nervous disorders, etc. The packs are containers of fifty 40-mgm. tablets,

six 2-mil ampoules each containing 40 mgm., and six 2-gm suppositories each containing 80 mgm. Plasmagel blood-plasma substitute is an isotonic solution of modified fluid gelatin. It is available in a dispensing unit of 500 mils. Deplet potassium teclothiazide (potassiumtrichloromethyl-hydrochlorothiazide), a white crystalline powder, soluble in water and alkaline solution but insoluble in organic solvents, is indicated in oedematous states where a hydro-chloro-saline diuresis is required. Deplet is presented in bottles of twenty-five, 100 and 500 crushable scored tablets each of 55 mgm.

Bonus Offers

BURROUGHS WELLCOME & Co., 183 Euston Road, London, N.W.1. Emprazil tablets. Thirteen invoiced as twelve on minimum of 3 doz. wallet packs. Until December 31.

J. C. GAMBLE & Co., LTD. (division of CHESEBROUGH-POND'S, LTD.), Victoria Road, London, N.W.10. Odo-Ro-No Stay Fresh. 12 charged 10 until February 29, 1964.

Christmas Holiday Arrangements

CHRISTMAS holiday for most trade manufacturers and wholesalers is from closing time on Tuesday, December 24, until opening time on Monday, December 30. The following special arrangements should be noted:—

BARCLAY & SONS, LTD., 37 Devonshire Place, Brighton, 1. Urgent ethical orders only on afternoon of December 24. No telephone orders after 3 p.m. Reopening for normal business Friday, December 27.

THE BRITISH DRUG HOUSES, LTD., Graham Street, London, N.1. London wholesale dépôt is providing normal service on December 27 and December 28. Other dépôts and subsidiary companies are notifying customers of local arrangements.

THE CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10. Closing at 1 p.m. Tuesday, December 24. Non-urgent orders recorded on Robophone system (ELGar 6317) will receive attention on Monday, December 30.

RICHARD DANIEL & SON, LTD., Mansfield Road, Derby, and branches at Ashton-under-Lyne, Lancs, and Grassmoor, Cumberland. Closed Christmas and Boxing days only.

ELANCO PRODUCTS, LTD., Broadway House, The Broadway, Wimbledon, London, S.W.19. Urgent orders on Friday, December 27, will be dealt with.

GLAXO LABORATORIES, LTD., Greenford and Dukinfield warehouses are closing 1 p.m. Tuesday, December 24. Skeleton staffs will deal with emergency orders from 8.45 a.m. to mid-day on December 27 and December 28. Bar-geddie warehouse closed Christmas day and January 1 and 2.

MAY & BAKER, LTD., Dagenham, Essex. Closing 12 noon Tuesday, December 24. PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham. No orders accepted after 10 a.m. on Tuesday, December 24.

MERCK SHARP & DOHME, LTD., Hoddesdon, Herts. Closed from 1 p.m. Tuesday, December 24.

NORTHERN PHARMACEUTICALS, LTD.,

Galen House, Bradford. Closed Christmas day. Open from 9 a.m. to noon December 26. Emergency supplies from Bradford 76547. Business as usual December 27 and 28.

ORGANON LABORATORIES, LTD., Crown House, London Road, Morden, Surrey. Closing at 4 p.m. on Tuesday, December 24.

PAINES & BYRNE, LTD., Perivale, Greenford, Middlesex. Closed 4 p.m. December 24. Skeleton staff for urgent orders, 9 a.m. until noon, December 27.

PARKE, DAVIS & Co., Staines Road, Hounslow, Middlesex. At Hounslow only a skeleton staff will dispatch urgent orders from 9 a.m. to 12 noon. Office at Carfin closed Christmas day and from 5 p.m. Tuesday, December 31 until Monday, January 6. Skeleton staff will deal with urgent orders on Friday, January 3.

PHARMACEUTICAL PRODUCTS, LTD., 44 Magdalen Street, Norwich. Closing mid-day Tuesday, December 24.

PHARMAX, LTD., Thames Road, Crayford, Kent. Closing 3.30 p.m. Tuesday, December 24. A skeleton staff will deal with urgent orders from 9 a.m. to 1 p.m. on December 27. Urgent sup-

plies December 25, 26 and 29 from John Bell & Croyden. Urgent supplies December 27 and 28 from Samoore, LTD., Standard Works, 26 Lawrence Road, London, N.15 (Latimer 2231).

JOHN WYETH & BROTHER, LTD., Huntercombe Lane South, Taplow, Maidenhead, Berks. Closing at 12.30 p.m. on December 24.

The following have notified that urgent supplies of their products may be obtained from John Bell & Croyden, 50 Wigmore Street, London, W.1 (WELbeck 5555):—ARMOUR PHARMACEUTICAL Co., LTD., Hampden Park, Eastbourne, Sussex; BURROUGHS WELLCOME & Co., Euston Road, London, N.W.1; THE CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10; DISTA PRODUCTS, LTD., Fleming Road, Speke, Liverpool, 24; MAY & BAKER, LTD., and PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex; MERCK SHARP & DOHME, LTD., Hoddesdon, Herts; ORGANON LABORATORIES, LTD., Crown House, London Road, Morden, Surrey; and PAINES & BYRNE, LTD., Perivale, Greenford, Middlesex. JOHN WYETH & BROTHER, LTD., Huntercombe Lane South, Taplow, Maidenhead, Berks.

NEW PRODUCTS AND PACKS

A New Hypotensive.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, are introducing — at first only to specialists in the treatment of severe hypotension — a new hypotensive speciality, Esbatal brand bethanidine sulphate adrenergic neurone-blocking agent. Esbatal is available in packs of 100 10-mgm. or 50-mgm. peach-coloured scored tablets.

Available to Practitioners.—Cardivix coronary vasodilator (indicated in the management of angina pectoris), restricted since April to consultants and hospitals by the manufacturers Genatosan, Ltd., Loughborough, Leics, is now being made available to general practitioners. The packs are containers of thirty and 250 tablets each containing 100 mgm., and of ten suppositories, each containing 200 mgm., of Benziodarone.

Antihypertensive.—Merck Sharp & Dohme, Ltd., Hoddesdon, Herts, announce the release of Hydromet, a new product for the treatment of hypertension. At first, the speciality is being promoted only to hospitals, but token stocks are being arranged with wholesalers to meet specific requests from the trade. Hydromet is a combination of two anti-hypertensive agents with complementary properties (methyldopa, 250 mgm., and hydrochlorothiazide, 15 mgm.). Bottles contain 100 or 500 half-scored, peach coloured tablets.

An Ointment Against Skin Lesions.—FBA Pharmaceuticals, Ltd. (United Kingdom subsidiary of Farbenfabriken Bayer, A.G., Leverkusen, Germany), Burrell Road, Haywards Heath, Sussex, have launched a new speciality Lasanol ointment. The ointment is indicated in sprains, contusions, haematoma, perivenous leaks, tendovaginitis, thrombo-phlebitis, superficial thrombosis, varicose and other leg ulcers; to accelerate the absorption of local oedema, infiltrations, bursal and joint effusions; to soften scar tissue; and prophylactically

for optimal scar formation after severe injuries and burns. Lasonil is used by applying from 1 to 2 in., depending on the extent of the lesion, two or three times daily. Each 100 gm. contains, in a paraffin base, 5,000 units of heparinoid and 15,000 international units of hyaluronidase. Tubes hold 14 gm. or 100 gm.

A Penicillin-V Trio.—Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham, announce three additions to their range of Stabillin V-K products. Stabillin V-K syrup 62.5, a potassium penicillin-V syrup containing 62.5 mgm. per 5 mils, has been developed specially for younger children. The bottle contains rapidly soluble granules that form a plum flavoured syrup when reconstituted. The pack has an easily removable outer sleeve carton, revealing a plain inner carton containing the bottle and spoon and requiring no further wrapping. Stabillin V-K sulphur tablets are a combination of potassium penicillin-V with sulphadimidine and are claimed ideal for treating mixed infections. Stabillin V-K sulphur suspension is a palatable, ready prepared stable suspension of potassium penicillin-V with sulphadimidine for paediatric use. Messrs. Boots are discontinuing the production of Calcipen-V sulphur suspension. The remainder of the Calcipen-V range continues to be available.

Against Oedema and Against Cough.—Denver Laboratories, Ltd., Carlisle Road, London, N.W.9, announce two new pharmaceutical specialities. The first, Avazyme, is crystalline chymotrypsin (without other enzyme) in enteric-coated tablets for oral administration. Each tablet has a proteolytic activity of 50,000 Denver units (approximately 20 mgm.). The product is understood to permit effective enzyme therapy by the oral route to reduce inflammatory oedema and the soft-tissue swelling associated with bruises, contusions, and fractures. In normal cases

the dosage is one tablet four times a day, but in severe cases it may be doubled for an initial period. The pack is an aluminium container of forty-eight tablets. The second speciality, Theo-Organidin elixir, combines the bronchodilator properties of theophylline with the mucolytic expectorant action of Organidin in a hydro-alcoholic base claimed to provide rapid absorption and minimise gastric irritation. Theo-Organidin contains, in each 15-mil tablespoonful, 120 mgm. of theophylline, 30 mgm. of Organidin and 15 per cent. v/v of alcohol. The elixir is indicated for reducing respiratory distress and mobilising tenacious mucus in bronchial asthma, bronchitis and pulmonary emphysema. The pack is a bottle of 225 mils.

Ephedrine with Naphazoline. — On December 9, Benger Laboratories, Ltd., Holmes Chapel, Ches, began making available to the medical profession a new micro-aerosol presentation, Nomaze, containing 1 per cent. of ephedrine hydrochloride with 0.5 per cent. naphazoline nitrate, both w/w.



Nomaze combines the prompt vasoconstrictor action of ephedrine with the more sustained action of the naphazoline so as to clear quickly blocked nasal passages, enabling the patient to breathe freely through the nose without repeated uses of the product. The 20-mil canister incorporates a metering device and valve to ensure accurate dosage, and a nasal applicator with dust-cap safety device that prevents accidental discharge when the container is carried in the pocket or handbag.

New Oral Progestin. — G. D. Searle & Co., Ltd., Lane End Road, High Wycombe, Bucks, announce three products based on the company's new orally active progestational steroid ethynodiol diacetate (SC-11800). That compound, chemically 17 α -ethynyl-4-oestrene-3 β -diol diacetate, is claimed to be about five times as potent as previously available drugs of the same type. In one product, Ovulen tablets, 1 mgm. of the compound is combined with 0.1 mgm. of an oestrogen (mestranol) for use as an oral contraceptive. The combination is said to have revealed "a remarkable degree of practical effectiveness" in clinical trials over more than 18,000 menstrual cycles. Metrulen tablets, each containing 2 mgm. of ethynodiol diacetate and 0.1 mgm. of mestranol, are indicated in gynaecological conditions requiring a high progestin dosage (endometriosis, threatened and recurrent abortion). For routine management when high dosage is not needed (functional uterine bleeding, dysmenorrhoea, premenstrual tension, amenorrhoea), Metrulen-M tablets having the same composition as Ovulen, are recommended. Pack of Ovulen is a wallet containing twenty white uncoated foil-wrapped penta-

gonal tablets (one month's supply) in carton of three or six wallets. Metrulen and Metrulen-M tablets are supplied in bottles of twenty, fifty and 250.

New Formula, New Terms. — Since November 25 a new-formula Chilva cough linctus (flavour unchanged) has been distributed by British Chemotherapeutic Products, Ltd., Bradford, Yorks. Simultaneously new terms showing "a substantially increased profit for retail and wholesale chemists" have been applicable. Extensive advertising is scheduled for the New Year.

Modified for Older Babies. — Trufood, Ltd., 113 Newington Causeway, London, S.E.1, are introducing as a Junior food for the older baby a modified version of the most popular fruit in their Spoonfoods range: orange delight with vitamin C. In the new variety rice has been added, and the homogenisation process has been omitted so that the food has a thicker consistency and contains small particles of the cereal. The product has a declared vitamin-C content of 40 mgm. per oz.; non-fat milk solids increase its protein content. The pack is a vacuum-sealed glass jar, and the product is obtainable through chemists only.

Gluten-free Biscuits. — Farley's Infant Food, Ltd., Torr Lane, Plymouth, Devon, have developed for coeliac patients a biscuit completely free of gluten. The manufacturers point out that the true nature of coeliac disease only came to be understood shortly after the 1939/45 war, when it was discovered in Holland that failure of the alimentary tract to deal adequately with fat was associated with gluten-containing foods, and that the condition improved rapidly when a gluten-free diet was given. Unfortunately the avoidance of gluten results in a diet monotonous to the patient. Basic foodstuffs containing gluten are rye and wheat. In Britain the average person might find it no deprivation to be denied rye, but wheat enters into many foodstuffs, including even sausages. "One of the minor pleasures of life—that of eating biscuits," say Messrs. Farley, "has been denied coeliac patients." The gluten-free biscuit they now offer meets that situation. When trial samples were distributed to doctors and hospitals, almost at once the makers were asked to market the product so that patients could continue to enjoy the biscuits when they returned home. The biscuits are indeed a biscuit and not a gluten-free version of Farley's rusks. No special dietary value is claimed for them apart from the absence of gluten, but the analysis is given for the information of those who may wish to include the product in a planned diet. It is:

Moisture	...	...	...	3.5
Mineral salts	...	...	...	1.5
Fat	...	...	...	32
Protein	...	...	...	13
Carbohydrate	...	...	...	50

The fat is entirely of vegetable origin, and the biscuits contain no ingredients derived from animals. The 8-oz. pack contains twenty biscuits.

Stainless Steel Blade. — Gillette Safety Razor Co. (division of Gillette Industries, Ltd.), Great West Road, Isleworth, Middlesex, are introducing

the Silver Gillette, a stainless steel blade. The blades will be available in packet of five, ten packets to one display card, and two display cards to one carton. The blades are to be introduced to the public by television and national Press advertising, together with a film to be shown in cinemas throughout the country.

Perfume in Casket. — Lancome (England), Ltd., 14 Grosvenor Street, London, W.1, claim to have produced a "new look" in perfume presentations in their new *Magie de luxe* perfume,



which is encased in a casket of burgundy velvet and set off with a flat petersham bow. Embedded in the casket is a bottle of Baccarat, and when the inner tray is removed the casket becomes a jewel box.

Nursery Set. — Ekco Plastics, Ltd., Southend-on-Sea, Essex, have produced a nursery gift carton containing Ekco Handy-bath, baby bucket, non-tip potty and layette basket, all in white, lemon or blue. The Handy-bath, in high-



density polythene, has twin carrying handles, and the baby bucket, moulded in non-absorbent high-density polythene, with "invisible" hinged polythene folding lid is for soiled nappies. The non-tip baby potty has a wide rim, and the layette basket, moulded in high-density polythene, has a soft, plastic-covered cushion.

A Variety with Fluoride. — Gordon-Moore, Ltd., Mayfair, London, W.1, have added to their range a fluoride variety of Punch and Judy children's tooth-paste.

INFORMATION WANTED

Mala Neutrine tablets
Galacol antioxidant
Hamilton's suntan cream

BRANCH EVENTS

PLYMOUTH

Pharmaceutical Affairs

A SURVEY of current pharmaceutical affairs was given by MR. ALLEN ALDINGTON (a member of Council) to members of the Pharmaceutical Society's Plymouth Branch recently. Mr. Aldington first explained the reasons behind the then proposed retention fee increase. He was interrogated about the educational policy of the Society by MR. PARK, who thought that, as its main income came from retail pharmacists, that policy should be directed more towards the needs of retail. How many graduates joined the Society, he asked? MR. ALDINGTON said that it had been estimated that about half joined the Society within a year of obtaining their degree, a further 10 per cent. in the following year, and within about four years the number had increased to about 90 per cent. Mr. Aldington outlined the Council's public-relations work and described the position reached in the N.H.S. remuneration negotiations. Speaking of the comprehensive service proposed in the General Practice of Pharmacy report, he said that it could be provided in three ways: (1) by a pharmacist living over the premises (but that was unfair); (2) by an "on-call" pharmacy rota service of, say, one or two weeks a year (that was appreciated by the public and provided a valuable service); or (3) by pharmacists in an area giving a rota service in a central pharmacy set up by themselves and open until midnight. To meet competition, the speaker declared, pharmacy needed to be modern, but self-selection was not applicable to the medicinal side of the business. Relations between the Council and members could not be improved by using the Society's journal as a medium for confidential information, but the Council hoped to overcome that by sending out confidential documents to all pharmacists.

GLASGOW AND WEST SCOTLAND

Future of Retail Pharmacy

"Is Retail Pharmacy in Danger of Eclipse?" was the question posed by MR. R. S. MORRISON (a member of the Scottish Department Executive) when he addressed the Glasgow and West of Scotland Branch of the Pharmaceutical Society on October 30. Mr. Morrison considered that nothing need be feared if all pharmacists were to conduct a battle for improved status by becoming professionals in the techniques of modern pharmaceutical merchandising and in public relations and by observing codes of conduct, ethics and standards commensurate with their diploma. Only 5-7 per cent. of all entrants into retailing, he said, received any form of trade education, and though manufacturers provided training for cosmetic and photographic assistants, nothing had been available for pharmaceutical assistants, though the National Pharmaceutical Union had recently gone some way to meet that need. The speaker's plan for training was a good general education with minimum entry at four O-level standards; systematic

training over two to three years by the owner, supplemented by day-release or correspondence courses; progress acknowledged by the assistant's right to wear an identification, and a certificate awarded on passing a pharmaceutical assistants' final examination. Any eventual hope of a restricted distribution of medicines must surely lie in that direction. All retail pharmacists should co-operate with their manufacturing friends in producing, through their own national manufacturing and distributing organisation, a complete series of medicines of the highest pharmaceutical quality. The public would then soon realise that the

proper place to buy their medicines was from the pharmacy. During the discussion MR. J. G. JEFFREY asked the speaker's opinion on the late opening of pharmacies. MR. MORRISON replied that all late opening should be subject to a rota agreement but, where there was a case for opening outside the rota, every interested pharmacist should be given the opportunity to engage in the scheme. The question of assistant training was raised by MR. A. MAIR, who spoke of the dangers of dilution if there should be a future shortage of pharmacists. The speaker considered that there was little danger of such a shortage. A member commented that only a minority of graduate pharmacists were entering general practice.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Myopic

SIR.—The difficulties of coining new brand names must be increasing in the same ratio as new entries in the *C. & D. Quarterly Price List*. But surely we have not yet reached the stage when we must of necessity put up with products so closely named as Myalgia and Myolgin, and both anti-rheumatic products!

LEXICON

Even More Telling

SIR.—My attention has been drawn to your report (*C. & D.*, November 30, p. 584), in your issue on the recent symposium on the "Toxicity of Cosmetic Materials." Towards the end of that report I am quoted as saying that this company received two complaints on liquid shampoo out of 4½ million units sold. The figure should, in fact, be 45½ million units. I think you will agree that the difference is a substantial one and would add that I also made reference to the fact that no complaints at all had concerned irritation in the eyes.

BEECHAM TOILETRY DIVISION, LTD.,
N. J. VAN ABBE,
Basic Research Manager,
Brentford, Middlesex

Keeping the Minister Informed

SIR.—May I appeal to my colleagues, through the medium of your columns for their support? If you will be good enough to publish the enclosed letter to the Minister of Health perhaps he may realise that we have a legitimate grouse if he receives letters or even postcards from pharmacists about this matter.

DURING the first week of this December I have been requested on more than six occasions to issue forms EC57 to people who claimed that relevant prescriptions had been brought to me and dispensed by me more than a week ago, that is some time during November. I am enclosing a cutting from the *Pharmaceutical Journal* which was issued presumably to put pharmacists on guard against fraudulent requests. The last sentence contains the words "until a check has been made." That was impossible in the six instances that occurred this week, for the reason that all the November prescription forms had already been sent to the Pricing Bureau. You will realise that this puts the pharmacist in an embarrassing position. Either he has to refuse point blank to issue an EC57, in which case

he may be causing hardship to someone in need or, if he gives the required form, then he could be accused at a later date of conspiracy to defraud, by issuing forms not covered by prescriptions. Truly an unenviable situation! Even when the prescription forms are still in the pharmacy considerable work is involved when a search has to be made, especially when vague remarks like "I think it was some time last week" are all the help the customer can give. In order to protect the pharmacist I ask you to consider making a regulation that form EC57(2) (4) (6) should be handed out only at the time of handing in form EC10, etc., for dispensing—that is, at the time the levy is paid. It would be even better if this iniquitous system were abolished completely, as it is a source of hardship to the elderly and a real pain in the neck to retail pharmacists.

A. E. VARLEY, M.P.S.,
Progressive Pharmacy Association

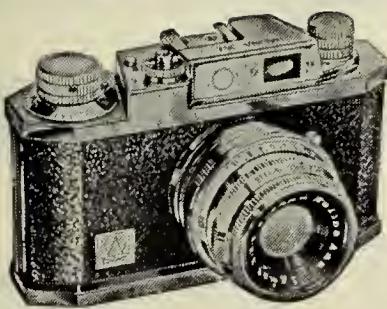
Appreciated

HAVE used THE CHEMIST AND DRUGGIST for many years in my business and always appreciated the information provided. Many thanks for the benefits derived and all best wishes.—R.P.R.



"THIS FACE CREAM IS GUARANTEED TO
STOP YOUR FRIENDS READING BETWEEN
THE LINES"

Halina Always in Demand



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- ★ All metal precision 35 mm.
- ★ f/3.5/45 mm. colour corrected lens.
- ★ Synchronised shutter up to 1/200th sec.

★ Coupled film Transport and exposure counter.

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Ever Ready case £1/8/1



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- ★ TWO CAMERAS IN ONE
- ★ All metal.
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- ★ Bulb and instantaneous shutter.
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Halina TV VIEWER

- 3 Condensers ★ Mains Use
- Accepts all sizes
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- Viewing Area 3½ x 3½ in.
- TWO TONE STYLING
- ★ Two Viewing positions

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The subject appears suspended within the lines of the frame.

- ★ HALINA Anastigmat f/3.5/45 mm. Hard Coated. Colour Corrected 3 Element Lens.

- ★ FOUR Speed Shutter—Speeded up to 1/200th sec. and B, with Readily Accessible Speed Setting Ring.



- ★ Synchronised for flash.
- ★ Double Exposure Prevention.
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6-4

TWO-IN-ONE CAMERA

2½ x 2½" or 1½" x 1½"

- ★ ALL METAL
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- ★ The extra large, precision ground twin optically polished lenses are made from the world-famous Chance Pilkington Optical Glass giving perfect enlargements.

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Woman's Own

Vital advance sales



WOMAN'S OWN
MERCHANDISING
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*your key to
bigger sales*

In less than 4 months, WOMAN'S OWN Merchandising Bulletins have proved their worth decisively as a vital new marketing aid for chemists. Giving advance news of lines to be advertised in WOMAN'S OWN, they enable you to check your stocks and to tie in with point-of-sale displays, thus exploiting to the utmost the tremendous sales potential of these products. Every week advertisements in WOMAN'S OWN sell toilet, health and beauty preparations to well over one in three of all your women customers.

These advertisements will bring you increased sales

woman's own

DATED DECEMBER 21

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**Milk of Magnesia
Oil of Ulay**

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DATED JANUARY 4

Anadin
Aspro
Beecham's Pills
Braham's Powder
Complan

**Fynnon
Germoloids
Iron Jelloids
Milk of Magnesia
Ostermilk
Vick Cough Syrup
Vick Vapour Rub**

woman's own

RATED JANUARY 11

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Beecham's Pills
Beecham's Powders
Bristow's Star Spray
W. B. Cartright—Indigestion Tablets
Fennings Baby Products
Fynnon
Innoxa
Iron Jelloids
Oil of Ulay
Pacquins Hand Cream
Phillips Tonic Yeast
Scotties
Silcot
Subaseal
Vick Cough Syrup
Vick Vapour Rub

MERCHANDISING BULLETIN No. 4

Information for chemists



**7 $\frac{3}{4}$ million women
come shopping every
week with
*woman's own***

Keep your stocks moving FAST with WOMAN'S OWN
Merchandising Bulletins

woman's own

DATED JANUARY 18

giers Junior Aspirin
pro
echam's Pills
echam's Powders
lifornia Syrup of Figs
lene Curtis c
tipen
rley Baby Foods c
nnon
rmolene
rmoloids
hnson & Johnson Baby Products
hnson & Johnson Cotton Buds
rse Harvey's Mixture
ensic
C.P.
ck Cough Syrup

woman's own

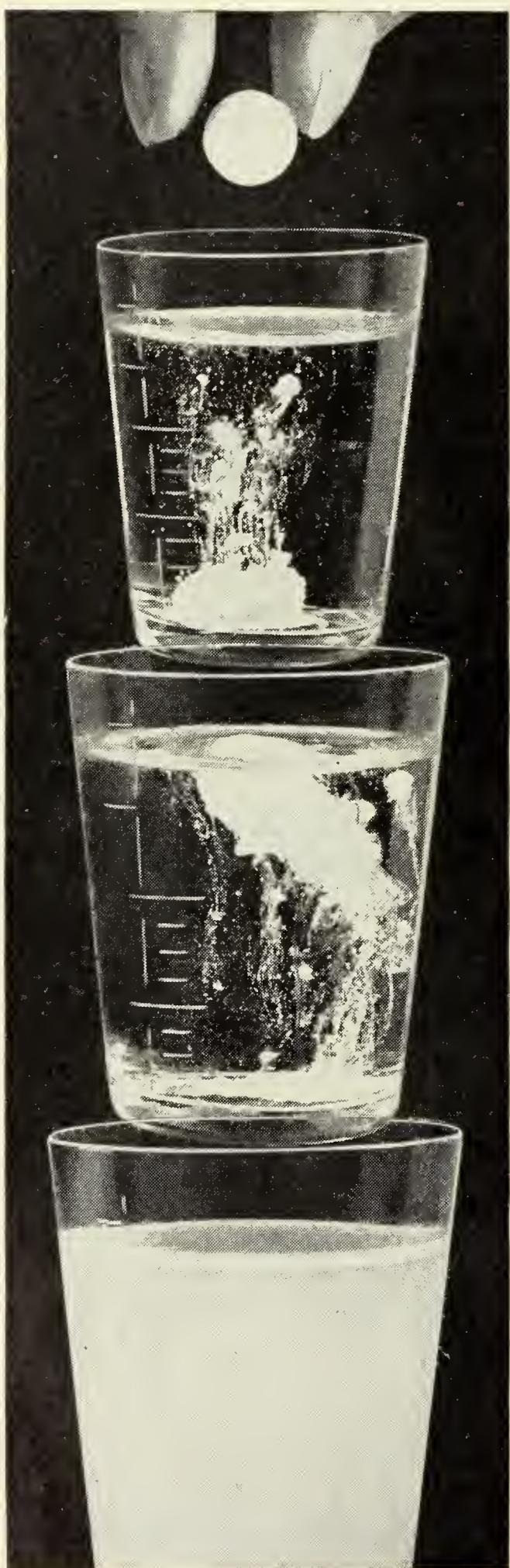
DATED JANUARY 25

Aspro
Atrixo
Beecham's Pills
Bengers
Cuticura
Fynnon
Heinz Baby Foods
Horlicks c
Iron Jelloids
Lifebuoy Soap c
Oil of Ulay
Ovaltine
Pacquins Hand Cream
Phillip's Tonic Yeast
Sunsilk c
Vick Cough Syrup
Vick Vapour Rub

c = Colour Advertisement

The next *woman's own* Merchandising Bulletin will appear in the February 1 issue of Chemist and Druggist and will cover February.

If you would like further copies of this Bulletin, or would like to receive them regularly by mail, please write to the Merchandising Manager, Woman's Own Advertisement Department, GEORGE NEWNES LTD., TOWER HOUSE, SOUTHAMPTON STREET, LONDON WC2. Temple Bar 4363.

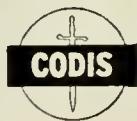


Solprin



NEUTRAL SOLUBLE ASPIRIN

Codis



SOLUBLE ASPIRIN, PHENACETIN AND CODEINE

Cafdis



SOLUBLE ASPIRIN, PHENACETIN AND CAFFEINE

Their place to-day

General acceptance won by Solprin, Codis and Cafdis is due to their aspirin content being soluble and substantially neutral. Consequently, all three are quick acting and are far less likely to upset the stomach.

Medical opinion to-day is overwhelmingly in support of soluble aspirin. This is why doctors prescribe Solprin, Codis or Cafdis, and this is why the chemist dispenses them so often.

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PHARMACEUTICAL DEPARTMENT, HULL



The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

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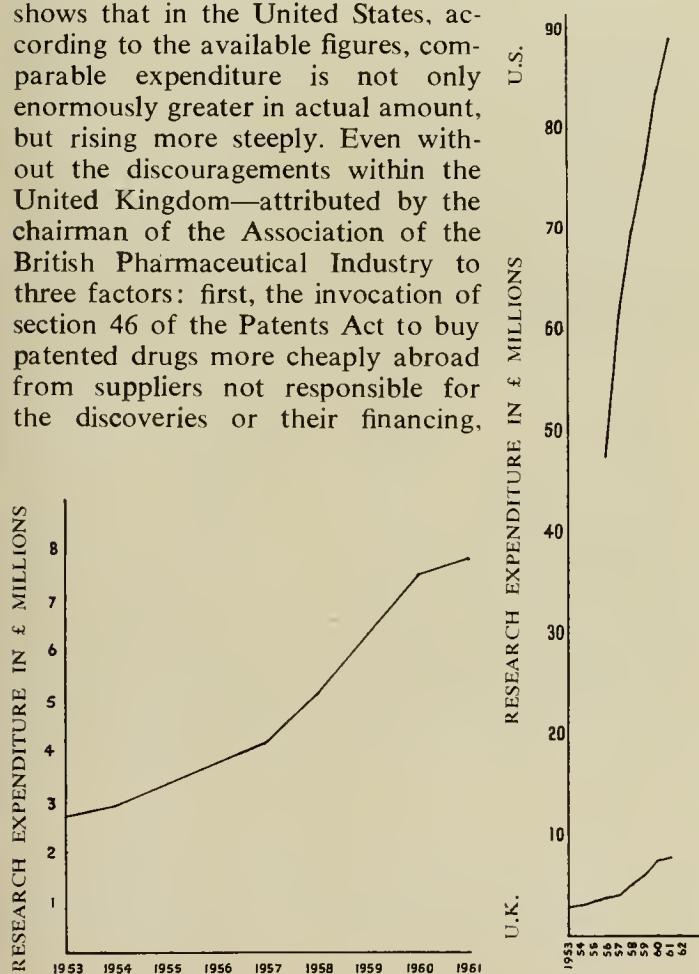
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Investment Aspects of Research

As many will have noted from the daily newspapers, expenditure on research by the pharmaceutical industry in the United Kingdom in 1961-62 (latest period to be analysed) totalled £7.8 millions. In the preceding year 1960-61 it was, at £7.5 millions, only slightly less, though over the previous five years it had doubled itself to reach that figure.

Something resembling a levelling-out of research expenditure thus appears to have occurred, and the questions arise whether the trend is likely to continue, whether it ought not to be reversed, and if so by what means. Of two graphs reproduced on this page the first, plotting the investment in research (in £ millions) by pharmaceutical manufacturers in the United Kingdom in successive twelve-month periods, shows the lesser angle of rise in the most recent of them. The second graph, necessarily smaller in scale, shows that in the United States, according to the available figures, comparable expenditure is not only enormously greater in actual amount, but rising more steeply. Even without the discouragements within the United Kingdom—attributed by the chairman of the Association of the British Pharmaceutical Industry to three factors: first, the invocation of section 46 of the Patents Act to buy patented drugs more cheaply abroad from suppliers not responsible for the discoveries or their financing,



and in some export territories (India, Brazil, Canada) to hints of the abandonment or attenuation of patent protection for medicinal discoveries or inventions; secondly to the undermining of brand names, on which manufacturers rely for some part of the finances for new research; and thirdly to almost incessant Government attacks on prices—the gap between the two countries is seen to be widening. Unless the trend is halted Britain may be on the losing side in a "winner-takes-all" situation in which other countries not only produce all the new agents of healing, but sell them to Britain at prices higher by the absence of competition. That should not be.

It has been noteworthy that industry has been responsible for more advances in the discovery of new healing agents than either academic or State laboratories. If the industry's laboratories are to continue to be productive they must be assured of a certain continuity—not, it is true, a licence to "coin money"—but certainly a future for the teams of scientists in many disciplines that are necessary for the work that has to be done but are only assembled at high cost. Once formed those teams become, in effect, a national asset, and the Government should be thinking on the lines of expanding them rather than cutting them down.

Joint Diploma

INTRODUCING a new diploma or qualification is, for any statutory or professional body, a matter as intricate as it is important. When two bodies are equally concerned, then possibly even greater difficulties may have to be hammered out, and more problems solved. All the more praiseworthy, then, is the collaboration between the Royal Institute of Chemistry and the Pharmaceutical Society of Great Britain (see p. 634) that has resulted in the announcement of a new diploma in pharmaceutical analysis shortly to be awarded jointly by the two bodies. Both have an interest in this specialised field, and the outcome is likely to be an enhanced quality control of medicines and pharmaceutical products, with obvious advantages to the community at large. The standard has been set at a level demanding from the entrant a sound basis of knowledge and experience and a serious intent. The examination is open only to members of the Pharmaceutical Society or to associate members or graduate fellows of the Royal Institute of Chemistry, and application for acceptance as a candidate must be accompanied by a detailed description of experience in the subject. Such experience will be expected to be comprehensive, and will normally be acquired during five years of post-graduate work in industrial or other analytical laboratories. Knowledge acquired from text-books or academic studies alone is less likely to succeed.

Annual Encyclopædia

ALREADY the *C. & D. Year-book and Diary*, 1964, is in the hands of most subscribers. All others should have received it well before entries demand to be written upon its diary pages.

The book has again the limp cover used for the first time last year. When the switch was made, some regretted the stiff board of former years, but during the twelve months of use the flexibility of the book in handling has revealed advantages for quick and frequent

reference. As publishers we naturally hope that both form and content will encourage more users to refer more often to its pages in 1964. To that end features have been blended to include some that are both new and unique, others that are recurrent but annually revised, still others that are brought back after an interval because the circumstances seem to justify their re-appearance.

In the first category is this year's "Table of Anti-cholinergic Drugs," latest in a series of such tables (others have dealt with antibiotics, sulphonamides, etc.), which we believe have been welcomed as comprehensive yet compact references to groups of drugs of similar chemical or pharmacological properties; and a summary of the Weights and Measures Act, 1963—already on the Statute Book but taking full effect only in stages spread over a period of years. In the second category are "Pharmaceutical Services Under N.H.S." and "Purchase Tax" (both paying for a rereading because by no means identical with last year's); "Statutory Poisons" (more than usually changed); and the directories of professional, public and trade bodies. An innovation in the directory sections is the inclusion (so far as we have been able to ascertain them) of chairmen as well as secretaries of branches of pharmaceutical organisations. But will subscribers please read "president" for "chairman" in many of the entries for local associa-

tions? Also new are the addresses of hospitals and the telephone numbers of their pharmacy departments—added in order to meet the greater call nowadays for contacts between pharmacists in general practice and their colleagues in hospitals, though we hope the added details will promote professional and social as well as informational interchanges among pharmacists in those interdependent sectors.

In the third category we select for mention the tables of salary and wage rates, omitted last year because changes were then known to be pending. Though they have since taken place, it is by no means certain and even unlikely that they will survive unmodified for the twelve months' currency of the Year-book. Any revision will, of course, be published in the *C. & D.*

The Trade Directory and Buyers' Guide sections again provide invaluable introductions to sources of supply, and the "feel" of the year-book testifies to its sustained appeal as an advertising medium. The advertisements, in themselves sources of information, are none the worse for being displayed and/or coloured to attract the eye.

Errors have—regrettably—to be confessed. Some have already been pointed out, and we intend publishing corrections when adequate opportunity has been given for others, if any, to be detected and notified, as we hope they will be. Even more will constructive suggestions be welcomed.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN FINANCES OF THE SOCIETY

Reaction to requests for information

REQUESTS for information about the finances of the Pharmaceutical Society were considered at a meeting of Council held in London on December 3 and 4. THE TREASURER, presenting the minutes of the Finance and General Purposes Committee, reported that there had been a number of such requests. The Committee recommended that the following statement, explaining the policy of the Council, should be published:

THE extent to which detailed information can properly be given to members who ask for it must depend upon the circumstances. In some cases information not already published can be readily made available but in other cases the figures can only be properly understood by those familiar with the background, such as members of Council. The giving of these figures to members can lead to a situation, through no one's fault, in which erroneous impressions may be created which can only be harmful to relations between the Council and the membership. If a member feels that there is something wrong with the way the Society's money is spent he can, of course, raise the matter but he should show that he has reasonable ground for doing so. In that case he would be entitled to an explanation. The broad situation regarding the Society's finances is that it is a function of the Council to manage the Society's affairs and to carry out this task they need to be given a wide measure of discretion in regard to the way the Society's income is spent within the limits of the Society's objects and statutory responsibilities. It would be impossible for the Council to function if they had without good cause to justify detailed items of expenditure.

Pending detailed consideration, at a special meeting of the Finance and General Purposes Committee to be held in January, of the draft estimates for 1964, individual committees considered the estimates so far as they applied to the work of those committees.

THE PRESIDENT announced that Mr. H. S. Grainger was not present at the meeting because he was in Mauritius conducting an investigation at the instance of the Government of that colony into certain aspects of the practice of

pharmacy, including the training of pharmacists and pharmaceutical legislation.

The Council appointed Messrs. F. W. Adams, J. C. Bloomfield, A. Duckworth, D. E. Sparshott and J. Wright to serve on the Poisons Board for the next three-year period.

The minutes of the Education Committee were presented by THE PRESIDENT, who drew attention to the excess of cost of the Society's examinations over income from fees, resulting in a greater deficit to be borne by the General Fund. The major expenses (those of conducting the practical and oral examinations) could not be reduced. Deficits in recent years had been as follows:—

	Expenditure	Income	Deficit
			£
1959	24,328	23,716
1960	22,808	22,466
1961	19,495	18,492
1962	18,426	14,325
1963 (estimated)	...	18,000	13,300
1964 (estimated)	...	16,550	11,000

It was therefore proposed that the entry fees for each subject in Part I examination should be raised from 42s. to 63s. and for Parts II and III from 63s. to 84s. in each subject. The proposals would result in an additional income of about £4,000 in 1964. With other economies, that would have the effect of balancing expenditure and income. Forty-eight persons were reported registered as "students" during November, making a total of 738 registrations for the current year, against 517 registrations for the corresponding period of 1962.

The Council approved an Education Committee recommendation that Professor J. B. Stenlake, Drs. David Jack and K. R. Capper should be appointed to serve on the joint examination board of the Royal Institute of Chemistry and the Society in connection with the proposed Diploma in Pharmaceutical Analysis (see p. 634). After consider-

ing the analysis of school results in the Pharmaceutical Chemist Qualifying examination, the Committee recommended that the annual meetings of teachers and examiners to be held in January 1964 should be asked for comment on the failure rate in the three parts of the examination and in particular in physiology.

The Council also approved the holding of a meeting of heads of schools of pharmacy in colleges of advanced technology and in regional technical colleges as a matter of urgency to discuss the implications of the Robbins report and the design of pharmacy degree courses acceptable to the Society for registration purposes.

The Benevolent Fund Committee was reported as having reviewed the circumstances of eight persons in receipt of assistance from the Society; the Committee now proposed that they should be made Benevolent Fund annuitants.

It was proposed to discontinue, in view of the high clerical costs involved, the production of the detailed analysis of Branch donations to the Society's charities.

Grants from the Fund had been made to two widows, two members and one orphan, and grants to one widow, four members, one student, and two former members were recommended.

At the centenary meeting of the British Pharmaceutical Conference in London, 245 representatives from ninety-one branches were reported to have attended, against 196 representatives from seventy-six branches at the Liverpool meeting in 1962.

The Organisation Committee minutes recorded that, in the course of the weekly monitoring of new television "commercials," note had been taken of an advertisement that appeared to contravene the television advertising code. The film showed a white-coated man behind a desk in front of which was the name of the firm with the title "chemist." It was felt that certain aspects of the film were objectionable, and the company had been notified that the film should be modified.

The Council recommended publishing the following statement about Charter Medals:

The Council has been considering the need for one or more awards which might be made to members of the Society in recognition of services given to pharmacy both nationally and locally. It has now been decided to institute two awards, which will be known respectively as the Charter Gold Medal and the Charter Silver Medal. The intention is that in normal circumstances one of each medal will be awarded annually although in special circumstances the award of more than one of each medal in a year will be considered. The Charter Gold Medal will recognise outstanding service rendered by a member of the Society, or, generally in promoting the interests of pharmacy. The Charter Silver Medal will recognise similar outstanding service rendered by a member locally. Both awards will be made by the Council on the recommendation of the President. It is proposed that the first awards will be made at the annual general meeting of the Society in 1964.

Tablet and Capsule Containers

The Council agreed with a recommendation in the Public Services Committee minutes that the attention of members should be directed to statements on pp. 80 and 157 of the new Standard edition of the British National Formulary referring respectively to containers for capsules and for tablets. In each instance the articles were recommended to be dispensed in airtight containers that gave adequate protection, and the Council added that the recommendation should be interpreted as calling for the use of glass or similar containers. It was also recommended that the Minister of Health and the Secretary of State for Scotland should be notified of that advice.

Law and Ethical Committees

The minutes of the Law Committee revealed that, during October, the premises of 476 authorised sellers and 352 drug-store proprietors, grocers and similar traders had been visited by inspectors or agents. Six alleged infringements of the Pharmacy and Poisons Act, 1933, had been con-

sidered; proceedings had been recommended in two cases and a warning letter in four. The Central Midwives Board had reported its decision to permit midwives to use Syntometrine (ergometrine maleate, 0.5 mgm. and oxytocin, 5 units per mil) in the management of labour, and has requested the Society to ensure that midwives could obtain the preparation under Section 20 (5) of the Pharmacy and Poisons Act, 1933.

The minutes of the Ethical Committee recorded circumstances in which a pharmacist said he had been threatened that, if he did not participate in the distribution of stamps, the promoters would provide bonus stamps to nearby grocers for articles sold in pharmacies. The stamp company had declared the representative to be acting against instructions and had apologised for the incident.

A pharmacist who had caused to be published an announcement advertising the times at which his pharmacy was open for dispensing had apologised on being informed that it was contrary to the advice given by the Council. A pharmacist whose advertisement had been combined with editorial matter was recommended to be informed that that was contrary to the Society's policy.

The Committee recommended that a member who had asked for a ruling on the use of a carboy sign on his delivery van should be informed that it was undesirable. The Society's support had been requested in reversing a decision by the Independent Television Companies Association, Ltd., not to accept an advertisement for a certain proprietary medicine, but the Committee had no comment to make on the Association's decision. In a general discussion on the advertising of medicines by television the Committee had asked for a report on current "commercials" for consideration at its next meeting.

The Committee had considered a number of cases in which trading stamps were being offered to customers by pharmacists; in five the Committee recommended lodging complaints with the Statutory Committee if assurances to cease supplying stamps were not forthcoming.

The Committee expressed disapproval of the display for sale of nylon stockings and imitation jewellery in certain pharmacies.

A grant of £220 was reported to have been made available for purchasing a 16-mm. ciné camera and accessories for loan to schools of pharmacy. The equipment would be made available to teachers for the production of educational films. A 16-mm. colour film "Secundum Artem," made at the School of Pharmacy, Brighton College of Technology, had been seen and warmly commended by the Film Committee. By the use of comedy the film recorded the extemporaneous preparation of soft gelatin capsules and pills.

Seven tape-recorded lectures with 2 in. x 2 in. slides were reported available from the Department of Pharmaceutical Sciences (new titles: British Poisonous Fungi, and British Poisonous Plants (Part I)). Further lectures planned were—British Poisonous Plants (Part II), Insulin and Hypoglycaemic Agents (two parts), Antacids, Laxatives, Hypotensive Drugs, B.P.C. 1963, Immunological Preparations, and Eye Medication.

A PHARMACIST'S ANTHOLOGY BONE MEAL

From "Shadows on the Rock" by Willa Cather

ONE evening at dinner, after one of these visits, Cécile spoke of an incident that Mother Juschereau had related to her in the morning. "Father, did you ever hear that once, long ago, when an English sailor lay sick at the Hotel Dieu, Mother Catherine de Saint-Augustin ground up a tiny morsel of bone from Father Brebeuf's skull and mixed it in his gruel, and it make him a Christian?" Her father looked at her across the table and gave a perplexing chuckle. "But it is true, certainly?" Mother Juschereau told me only to-day." "Mother Juschereau and I do not always agree in the matter of remedies, you know. I consider human bones a very poor medicine for any purpose."

Any Business Questions?

Is a company bound to have more than one director?

THE number of directors which a company must have depends upon the articles of association. Usually there is more than one director but, where the articles do not require more, one is sufficient. If there is only one director, he cannot also be the secretary and there must, of course, be at least two shareholders.

What are the advantages and disadvantages of turning myself into a limited company? I pay tax at the normal rate and allow my wife £180 per year for some book-keeping tasks.

IN your case the advantages would probably be very small. Your tax liabilities are evidently not large enough for any real advantages to accrue, and the most tangible benefit would be the benefit of limited liability in the event of business failure and perhaps greater ease in sharing out the ownership of the business through the allocation of the shares.

I am contemplating retirement and intend selling my pharmacy to a younger man. I have owned the freehold of my premises for many years, and should like to retain that asset. I thought that I might give my successor a lease and charge him a premium, but I understand that premiums are now taxed. Is that correct?

PREMIUMS are taxed where they relate to leases of fifty years or less. The percentage of premium taxed is easily found by taking one year from the term of the lease, multiplying the answer by two, and subtracting the product from 100. Taking as example a twenty-one year lease, $20 \times 2 = 40$; $100 - 40 = 60$. Therefore 60 per cent. of the premium is taxed.

Onward from Galen

SIDELINES OF CURRENT COMMENT

★ GIVING IT THE AIR ★

FOR a fleeting moment at their meeting on December 4, members of the Pharmaceutical Council rubbed shoulders with aeronautical history. Presenting the report of the Benevolent Fund and War Aid Committee, its chairman (Mr. T. Heseltine) announced that the motor mower at Birdsgrove House was in need of a complete overhaul, which would cost £24. In view of that high figure, and because of the difficulty in obtaining spare parts for the machine, it had been decided to purchase a new mower at a cost not exceeding £90. A question whether the old mower had any trading in value drew a regretful shake of the head from Mr. Heseltine. But his colleagues brightened up when he added: "A unique feature of this machine is that it has the same sort of carburettor as the aeroplane that Amy Johnson flew. It is about forty years old." There were nods of satisfaction when Mr. Heseltine continued: "We are thinking of giving the old mower to the museum with the compliments of Birdsgrove House."

★ CULTIVATED PERIWINKLE ★

FOR several years the Hungarian pharmaceutical industry has been manufacturing from the plant *Vinca minor* (lesser periwinkle) a preparation for reducing blood pressure. The amount of the wild plant available was insufficient for the requirements of the industry, and attempts at cultivation were not successful. In Hungary the plant grows in thick forests, and it was believed that the shade of the trees was necessary for its growth. Under mass cultivation conditions of shade were difficult to provide. Recently, after experiments at the Horticultural Research Institute, it was discovered that the plant grew in the shade not because it shunned the sun but because it requires a climate with a high moisture content. If the moisture is present the sun causes the plant no harm. In fact, under the influence of light and warmth, the plant produces a higher proportion of active ingredients. Under experimental cultivation in plots

at the Institute the plant has been sprayed daily and an alkaloidal content five or six times as high as in the wild plant has been obtained, and the Institute has contracted with the Kobanya pharmaceutical works to put an area of about seventeen acres under commercial cultivation.

From Apothecary to Pharmacist

A STUDY OF CHANGES OF TITLE

TITLES USED IN AUSTRIA

T. D. Whittet

AN account of pharmacy in Austria has been given by Rawski Conroy (1954). In that country every pharmacist must hold the degree of Master of Pharmacy (Magister Pharmacie). The correct abbreviation for this is Mr. Pharm. Mag. Pharm. was formerly sometimes used but now Mr. Pharm. is used exclusively. After obtaining his degree the graduate must serve a two-year post-graduate studentship in an APOTHEKE during which time he is known as an APOTHEKER-ASPIRATEN. That studentship must be served in a retail pharmacy, and at the end of it the student takes an examination held by the *Apothekerkammer* (chamber of apothecaries). If he is successful he then becomes a VERTUNGSBERECHTIGER-APOTHEKER (approved pharmacist).



The Internationale Apotheke at Vienna.

All Austrian pharmacists are entitled to use the title APOTHEKER and its use is becoming more general. Often, however, especially in country districts, it is used mainly for the owner, qualified assistants being called Herr Magister. The written title is Herr Magister Pharm. Ownership is a personal concession, and the owner must always be in charge, though in illness or holiday he may nominate temporarily one of his qualified assistants as a temporary manager who is known as a PROVISOR. In the event of a long illness or continuous disability, special permission has to be obtained from the authorities. Pharmacies are inspected annually by two representatives of the APOTHEKERKAMMER.

Hospital pharmacies are also carried on under special licence, and hospital pharmacists are in several grades, promotion being by seniority instead of by the post held. The highest is OBERPHARMAZIERAT (senior pharmaceutical councilor) followed by PHARMAZIERAT and KRANKENHAUSAPOTHEKER. The LEITER DER APOTHEKE (chief pharmacist) is usually an Oberpharmazierat, but not everyone in that grade is necessarily a chief pharmacist.

The *Oesterreichische Apothekerkammer* undertakes the official duties carried out by the Pharmaceutical Society in Great Britain, whilst the *Apothekerverein* is the proprietors' association and the *Pharmazeutischer Reichsverband* is the equivalent of the National Pharmaceutical Union. The official journal is the *Oesterreichische Apothekerzeitung*. The title DROGUERIE is used in Germany and Austria for the drug store run by unqualified persons, each of whom is known as a DROGUIST.

Rebuilt on Old Site

A NEW CHESTERFIELD PHARMACY

REALISING that to be "old-established" was not enough in today's increasing competitiveness, John Dent (Chemists), Ltd., Chesterfield, Derbys, decided to turn to full advantage an upheaval dictated by local road-widening schemes. The company's new pharmacy, partly upon the area occupied by the business for sixty-two years, puts to ingenious use a difficult sloping site. Mounted in one of the doors of the pharmacy is a square of bottle glass said to be over 100 years old from the original shop that was for sixty-two years the home of the business.

grey and black plastic fabric, the top of which (essentially a lid allowing access to the enclosed lighting fittings) provides a narrow display gallery for decorative indoor plants. To the rear of the window are a number of spring-loaded Vizupoles, on the window sides of which are display units and screens. The opposite sides of the poles support adjustable shelving on which stock is displayed. Rising ground has necessitated the use of a raised base for the east window, but on the south, where there is no base, attractive Marler Haley display stands are in use. At



The roof sign was a feature of the original premises.

ted by the shopfitters, occupies minimum floor space; its units rise and fall vertically, their ease of movement assured by balance weights. Remainder of the adjustable shelving in the dispensary is erected on Vizusell fittings.

A feature of the interior design is the attractively designed wrought-iron



Left: The bold frontage is readily seen at a distance. Right: A view from the mezzanine floor confirms the adequate spacing of the fittings.

The pharmacy area measures approximately 44 by 45 ft., and the shopfitters, L. H. Baker & Son, Ltd., 100 Markham Road, Chesterfield, have contrived an open plan that provides effective display for the merchandise and maximum comfort for the customer. The premises consist of a basement, ground floor and balcony or mezzanine. Two sides of the pharmacy are almost wholly of windows, ensuring a light and pleasant atmosphere within. On the ground floor the 9 ft. high windows are surrounded by anodised aluminium fittings. Customers using the lower of two entrances enter a display area and ascend three steps (about 2 ft.) to reach the general sales area. Above the window is a frieze or pelmet of

about the point at which the two windows join, a large carboy proclaims the professional side of the business, which is further emphasised by a large sign PRESCRIPTIONS near the dispensary and visible from both doors.

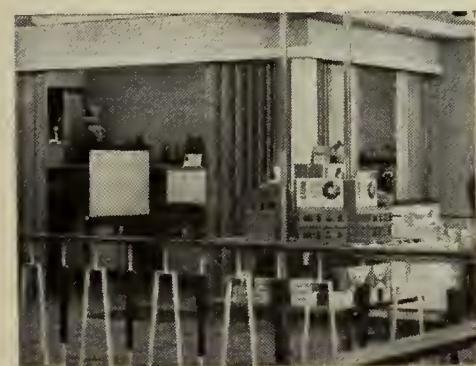
Blue and grey tiles by Polyflor are used to create an attractive floor covering. From the centre of the ground floor a staircase leads down to the basement, and on three sides of the staircase well are adjustable four-tier shelving on Visusell fittings. To the rear of the ground floor are three counters with glass display fronts for cosmetics. Between three display cabinets on the rear walls are adjustable glass shelves, the whole surmounted by a narrow pelmet for concealed lighting and to carry illuminated agency signs. Between the supporting channels of the Vizusell uprights are interchangeable plastic panels in pastel shades.

Dispensary Equipment

To the left of the cosmetic counters are two others, behind which is the dispensary. Spring-loaded Vizupoles form an inner dispensary wall, mounting shelves carrying on one side proprietary medicines demanded by the public, on the other tablets and proprietary products used in the dispensary. Equipment of the dispensary includes a stainless steel sink, an electric Creda water heater and a small refrigerator. A tablet cupboard, paten-

work and hardwood balustrade, capped with a plastic handrail, of an open staircase leading to a mezzanine floor. Similar balustrades capped with a 3 in. wide oak hand rail form an edge to the mezzanine floor, which is on the two wall sides of the shop. The mezzanine is devoted to photographic sales. In one corner, by the use of Luxaflex drapes and Marley folding doors, a projection room is created when needed, almost at a touch. Behind one of the counters extensive use has been made of Vizusell ladder-rack display units, and again plastic coloured panels are used between the upright channel sections. Let into a photographic counter is a small piece of white Perspex, which is illuminated to allow customers to view transparencies. On a side wall short open display shelves alternate with store cupboards whose doors have blue, yellow or white panels giving a pleasant chequer-board effect and providing display and storage space. Two counters, each with its own cash register, allow for quick service, and in one corner an area has been screened, again with Vizupoles, so that hire-purchase transactions may be arranged in privacy.

Another door leads to a general office and staff staircase, with access to ground and basement floors. All the screens and shelving displaying the photographic goods are supported on spring-loaded Vizupoles, and the entire



The corner that can readily be isolated as a projection or special demonstration room.



layout of the shop can be changed at will within half an hour. The under-floor heating of the shop is electric, thermostatically controlled. Under the stairs is a surgical fitting room, and the basement houses a kitchen and toilets. A goods lift serves all floors. The basement is currently in use as a Christmas showroom, but one part is earmarked as a workshop in which displays may be designed and erected. The lighting throughout the shop, mainly of tubular units with egg-crate diffusers, was devised by Philips Elec-

trical, Ltd. Two hanging units, each with five lights in plastic shades, give extra intensity and elegance in the centre of the shop. Colour has been imaginatively used throughout the shop. The ceiling is in Narvic blue, beams and pillars are in white, three walls are in columbine and the other in contrasting cyclamen.

Personal Service

Despite the use of modern merchandise display systems, self-service is not the aim. At least one of the fourteen

assistants is intended to be always available to assist customers. Use is made of the services of a display consultant, while a member of the staff is display organiser, and another acts as public relations officer for the company. The pharmacy is part of a new building, of which the top floors are earmarked for the Ministry of Works. The building has been locally financed, designed and constructed, and it was therefore appropriate for the opening ceremony to be conducted by the mayor of Chesterfield.

State of Pharmacy in Eire

PRESIDENT'S ADDRESS AT CONFERRING CEREMONY

THE pharmaceutical structure that exists today is in danger of collapse, said the president of the Pharmaceutical Society of Ireland (Mr. D. J. Kennelly) at the annual conferring ceremony in the College of Pharmacy, Dublin, on December 3. Mr. Kennelly was referring to the lack of economic security for members engaged in retail pharmacy, without which "the other three corner stones in the pharmaceutical edifice"—education, pharmacy legislation and poisons legislation—were of no avail. Pharmacists had grasped at films, lipsticks and eyebrow pencils in an attempt to buttress the pharmaceutical services. But even those supports were being removed, as instanced by recent regulations depriving the pharmacist of his traditional right to proprietary medicines, toilet requisites and infant foods.

Most incomprehensible was the Government's action in continuing to bypass the 1,300 pharmacies throughout Ireland. Over 40 per cent. of the community received their medicines under a modernised form of the old Poor Law system. The country could not afford two pharmaceutical services. One must go. The service given by community pharmacies was not restricted to compounding medicines. It was an essential national institution, to which people might go for advice on many personal health problems and at which the pharmacist was available seven days a week.

Looking Well Ahead

Dealing with the Republic's possible entry into the Common Market by 1970, the president said the Council had been working to ensure smooth future integration of Irish pharmacy by stepping up the excellent academic progress, and no serious difficulties were anticipated in that sphere. Difficulties would be met, however, if the present policy regarding distribution of non-scheduled medicines was pursued. "Our Republic is the only State in Western Europe where the country's pharmacies are not the normal outlets for the medicines of the entire population." For the pharmacist in general practice the average income from professional work was less than 10 per cent., yet even in Britain, where professional work provided 33 per cent. of income, there was serious dissatisfaction. How could any young student be expected to enter pharmacy when his academic course would gain for him only 10 per cent.

of his income? Because the other 90 per cent. was derived from general merchandising the pharmacist was often compared with traders, but his primary functions were the compounding and dispensing of medicines and the sale of scheduled poisons. A secondary function was to protect the public from themselves. The pharmacist's experience, education and knowledge enabled him, in certain circumstances, to advise against the use of medicaments unwisely sought by the public and he frequently succeeded in persuading clients to seek proper medical advice. The health and well-being of the people must always take precedence over his own financial gain, but it was unjust to assume that he was therefore not entitled to expect a fair remuneration from the pursuit of his calling. To the new licentiates Mr. Kennelly said: "In your hands rests the progress of the profession. With the Government rests the responsibility for an efficient pharmaceutical service to the nation."

Members of the Council and of the academic staff attended the ceremony, and Mr. C. Cooper (president, Pharmaceutical Society of Northern Ireland)

was also present. Licences were conferred on the following:—

Second-class honours.—J. M. Hillery, Miltown-Malbay, co. Clare.

Pass.—Anne Ahern, Farranfore P.O., co. Kerry; Marie C. Brennan, Athboy, co. Meath; W. Byrne, Church Street, Dundalk, co. Louth; Mary S. Conway, Rathoath, co. Meath; Sr. Mary R. Cosgrove, M.M.M., Our Lady of Lourdes, Drogheda, co. Louth; Catherine B. Gleeson, 20 Sandy Cove Road, Dun Laoghaire, co. Louth; Helen M. Gorry, Chilcombs House, New Ross, co. Wexford; J. J. Keogh, Ballintrollick, co. Sligo; J. P. Morgan, Chapel Street, Killaloe, co. Clare; Mary D. Mullally, 116 Kincora Road, Clontarf, Dublin; Esther Murphy, Paupish, co. Carlow; Sheila M. McGovern, Streete, Mullingar, co. Westmeath; M. F. McGourty, Avenue Road, Dundalk, co. Louth; Barbara M. McKeever, Stackallen, Navan, co. Meath; Anne M. McLaughlin, 4 Fitzmaurice Road, Glasnevin, Dublin; J. J. McLoughlin, Moore Street, Loughrea, co. Galway; D. B. O'Connell, Swinford, co. Mayo; Margaret M. Nagle, Killorglin, co. Kerry; Barbara C. O'Connell, Chapel Street, Castlebar, co. Mayo; Margaret M. O'Connell, Lackandarra, Western Road, Cork; F. J. O'Donnell, Newcastle, co. Galway; M. F. O'Donoghue, Killarney, co. Kerry; Catherine J. O'Flynn, Rowan Park, Blackrock, co. Dublin; J. E. Power, Ballybricken, co. Waterford; A. J. Quirke, O'Connell Street, Clonmel, co. Tipperary; A. Walsh, Main Street, Roscrea, co. Tipperary; Mary Walsh, Church Street, Castleisland, co. Kerry.

SILVER JUBILEE EVENT IN DUBLIN

Benevolent Fund dance an outstanding event

"A FUNCTION worthy of the occasion" was the verdict of the 200 or more couples who attended the silver jubilee ball of the Pharmaceutical



CUTTING THE CAKE: Messrs. C. Conefrey (chairman) and G. C. O'Neill (1938 chairman) join hands across twenty-five years to cut the birthday cake. At left is Mr. Brendan R. Smith (one of the two original secretaries).



BETWEEN TWO PRESIDENTS: Mrs. D. J. Kennelly with, left, her husband the president of the Pharmaceutical Society of Ireland and, right, Mr. Norman Cooper (president, Pharmaceutical Society of Northern Ireland).

Benevolent Fund in Dublin on December 3. The twenty-five years were spanned when the present chairman of the Fund and the foundation chairman (Cailain Conefrey and Gerry O'Neill) jointly cut a special jubilee cake, after which members of the original and present committees toasted the jubilee in champagne. The dis-



COMMITTEES AT QUARTER-CENTURY INTERVAL: A feature of the dance was the presence of so many officers and committee members of the original committee of 1938, here shown with members of the present committee. Front row: Messrs. Con Collis (1938 joint secretary), G. C. O'Neill (1938 chairman), Brendan Smith (1938 joint secretary) and Frank Roche (1938 M.C.). Second row: Mr. P. Crowley (1938 Committee), Miss Una O'Connor, Mrs. Cora O'Connor, Mrs. D. Kelly, the Misses Anne Ahern, Colette McIntyre and Betty Smyth and Mr. Cyril Staunton. Back row: Messrs. Kevin Banks, C. Conefrey and Martin Murphy (M.C.).

tinguished guests included the presidents of the Pharmaceutical Societies of Ireland and Northern Ireland, and of the Irish Medical and Ophthalmic Opticians' Associations; the vice-president and secretary of the Irish Drug Association and the chairman of the Scottish Department Executive of the Pharmaceutical Society of Great

Britain. Many representatives from pharmaceutical companies were also present. Master of ceremonies was Martin Murphy. Winners of the raffle were: Mr. Knowles (tape recorder); Mr. Denis O'Connell (Waterford cut-glass bowl); Mr. Paddy Cronin (electric razor) and Mrs. N. C. Cooper (beauty set).

INSTRUMENTS AND APPARATUS

Vibrating Spatula.—For quicker and more accurate weighing of powder in small quantities the Mettler Vibro spatula distributed in Britain by A. Gallenkamp & Co., Ltd., Technico House, Christopher Street, London, E.C.2, has advantages. It enables pow-

enough for student use, and for many industrial purposes. Other new products for general and specialised scientific and industrial laboratory use are labelled reagent bottles, an evaporating basin and an all-glass modified Gutzeit apparatus.



Mettler Vibro vibrating spatula (distributors in Britain: A. Gallenkamp & Co., Ltd., London, E.C.2). 1=starter button; 2=vibration intensity adjuster.

der to be weighed out in seconds to an accuracy of 0.1 mgm. Slight pressure on a button sets the spatula vibrating at an intensity previously adjusted by the turning of a knob. The handle takes three interchangeable spatulas of different size. The instrument is mains-operated.

Laboratory Glassware.—New items of Pyrex laboratory glassware introduced by James A. Jobling & Co., Ltd., Wear Glass Works, Sunderland, include 1, 2, 5, 10 and 25-mil pipettes with a type of graduation that substantially reduces their cost; a measuring cylinder of 100-mil capacity, graduated in 1-mil intervals, with a body of Pyrex glass standing in a closely fitting base of traditional shape in polyethylene and measuring beakers graduated by the silk-screen process. They are accurate

TRANSPORT NOTES

Cost Studies in Transport.—During a recent conference in London organised by the Export Council for Europe on the subject of transport links with the Continent, it was suggested that cost studies should be set up into the transport of exported goods, the aim being to arrive at the most economical procedures.

Vehicle Security.—A.F.A. Information Bureau, Security House, 25 Wellington Street, London, W.C.2, offers free advice on all forms of vehicle security. The bureau points out that in 1962 larcenies from unattended vehicles increased by 34 per cent. and that commercial vehicle and private-car owners need to secure their vehicles and contents against expert and well organised

professional thieves. Modern security devices available at reasonable prices include comprehensive alarm systems, with contacts fitted to door, bonnet and boot, that sound a loud warning if any unauthorised entry is attempted: mortice-type locks fitted to doors, boots, gear levers and steering wheels and ignition immobilisers that can defy thieves and joy riders.

WORLD TRADE

Medicinal Patents in India.—Dr. Sushila Nayar (Union Health Minister in India) said in New Delhi on October 31 that "powerful pressures," both Indian and foreign, were trying to thwart the Government's efforts to restrict the use of patents in the field of drugs. Several committees had been appointed since 1948 to report on the subject and they had all recommended that "patent" medicines had proved to be against the public interest, "but every time pressures prevailed, and nothing was done."

India's Five-year Plan.—India's third five-year plan, when it ends in 1966, is likely to fall short of almost every target, according to an official mid-term appraisal by the planning commission that has been placed before the Indian Parliament. The planned rate of economic development has fallen off seriously in the past two years, and though foreign exchange commitments totalled Rs21,000 millions, further aid, not tied to specific projects needed over the next two years will require a further Rs4,500 millions.

U.S. Tariff Action.—The United Kingdom's chemical industry is scarcely affected by the decision of the United States Government to suspend tariff concessions on a number of articles from any source in retaliation against the Common Market's action in raising import levies on American poultry. The tariff increases which come into force on January 7, 1964, affect brandy, lorries, dextrose and starches. U.S. imports of dextrose from all countries amount to \$2.28 millions, of which the Common Market supply \$2.25 millions. The Netherlands provide nearly all the \$160,000 of potato starch imported into the U.S.

Soviet Chemical Industry.—Plans are in hand to raise the Soviet chemical industry's output to three times the 1953 figure by 1970, and to increase the production of fertilisers to between 70 million and 80 million tons in the next seven years. More than £16,000 millions is being invested between 1964 and 1970 in the development of the chemical industry, and to the comprehensive application of chemicals in agriculture. In the period about 200 new chemical plants are to be built and more than 500 others reconstructed. Outlining the plans, Mr. Khrushchev said on December 9: "When we have a powerful chemical industry, we shall not only accelerate technical progress in the entire sphere of material production, create an abundance of food products and consumer goods, but also obtain great accumulations which will enable us to advance even more rapidly the entire national economy."

BRITISH PHARMACOPÆIA 1963

Amendments official from January 1, 1964

THE British Pharmacopœia Commission has published the following list of amendments to the British Pharmacopœia, 1963. They are to be announced in the official *Gazettes* and become official from January 1, 1964.

GENERAL NOTICES

Authentic specimens :

Page 5. Amend the general notice to read: When a test requires the use of an authentic specimen of a substance, the authentic specimen to be used is that established by the British Pharmacopœia Commission. Authentic specimens established by the Commission are distributed by the Pharmaceutical Society of Great Britain.

Metric and Imperial Strength:

Page 6, Line 5 (from foot). In the General Notice delete "30 June, 1965, and insert: "31 July, 1965, in the case of a manufacturer or wholesale dealer or 31 January, 1966, in the case of a retail dealer."

ALUMINIUM HYDROXIDE TABLETS: Page 35. Neutralising capacity. Delete the last two sentences and insert: Deduct the volume of *N/10 sodium hydroxide* from 150 to obtain the number of ml. of *N/10 hydrochloric acid* required for the neutralisation. Calculate the number of ml. of *N/10 hydrochloric acid* required for the total weight of the tablets taken for the Assay and divide by the number of tablets. The result is not less than 115.

BACITRACIN: Page 72. Dose. Line 1. For "200,000" read "20,000."

CHLORAMBUCIL: Page 153. Assay. Line 2. For "two" read "five."

CHLORAMPHENICOL CAPSULES: Page 155. Assay. Line 7. For "288" read "298."

CHLORPHENESIN: Page 169. Melting-point. For "80°" read "81°."

COD-LIVER OIL: Page 192. Dodecyl gallate, octyl gallate, or propyl gallate, or any mixture thereof may be added to Cod-liver Oil as an antioxidant in a proportion not exceeding 100 parts per million by weight.

DEMETHYLCHLORTETRACYCLINE CAPSULES: Page 224. Loss on drying. Delete this requirement.

DIMENHYDRINATE TABLETS: Page 268. Assay. Delete the second sentence and insert: Dissolve an accurately weighed quantity of the powder equivalent to about 0.1 g. of Dimenhydrinate as completely as possible in 20 ml. of water, add 10 ml. of dilute ammonia solution, mix, extract with 15, 15, 15, 10, and 10 ml. of solvent ether, and wash the combined extracts with 10 ml. of water.

FLUOXYMESTERONE: Page 329. Related foreign steroids. Delete this requirement.

PROTAMINE ZINC INSULIN INJECTION: Page 408, line 5. For "1.5" read "1.7."

IPECACUANHA AND OPIUM POWDER: Page 427, line 21. For "0.6219" read "0.6321."

MAGNESIUM TRISILICATE: Page 456, line 2. For "30.0" read "29.5." Line 3. For "32.5" read "32.0." Line 4. For "66.0" read "65.0." For "69.5" read "68.5."

PARACETAMOL: Page 557. Acidity. Delete this requirement.

PHENTOLAMINE INJECTION: Page 603, line 29. For "20" read "5."

PHYTOMENADIONE: Page 615. Amend the dosage statement to: Dose. As an antidote to anticoagulants, except heparin, 5 to 20 mg.; by intravenous or intramuscular injection, 5 to 20 gm., repeated in a few hours. In the treatment of haemorrhagic disease of the new born, by intramuscular or intravenous injection, 0.5 to 1 mg.

PHYTOMENADIONE INJECTION: Page 616. Amend the dosage statement to: Dose. Phytomenadione. As an antidote to anticoagulants, except heparin, by intravenous or intramuscular injection, 5 to 20 mg., repeated in a few hours; in the treatment of haemorrhagic disease of the new born, by intramuscular or intravenous injection, 0.5 to 1 mg.

PREDNISOLONE TRIMETHYLACETATE: Page 643. Light absorption. Amend the first sentence to: Measure the extinction of a 1-cm. layer of the

solution prepared as directed in the Assay at the maximum at about 240 μ and at 263 μ , page 1022. Page 643, Assay. Amend the statement to: Assay. Dissolve about 10 gm., accurately weighed, in sufficient dehydrated alcohol to produce 100 ml., dilute 5 ml. to 50 ml. with dehydrated alcohol, and measure the extinction of the resulting solution in a 1-cm. cell at the maximum at about 240 μ is 337.

PREDNISOLONE TRIMETHYLACETATE INJECTION: Page 644. Assay. Amend the statement to: Assay. To an accurately measured volume equivalent to about 10 mg. of Prednisolone trimethylacetate, add sufficient dehydrated alcohol to produce 100 ml. Mix, filter, dilute 5 ml. of the filtrate to 50 ml. with dehydrated alcohol, and measure the extinction of the resulting solution in a 1-cm. cell at the maximum at about 240 μ , page 1022. E (1 per cent., 1 cm.) of predni-

solone trimethylacetate, $C_{26}H_{36}O_6$, at the maximum at about 240 μ is 337.

PROMETHAZINE HYDROCHLORIDE INJECTION: Page 674. Assay. Line 3. After "Dilute" insert "10 ml. to 100 ml. with *N/100 hydrochloric acid*, then dilute."

RABIES VACCINE: Page 705. Absence of infective virus. Lines 1 and 2. Delete "of a 1 in 4 dilution in saline solution." Line 7. After "0.03 ml." insert "of a 1 in 4 dilution in saline solution."

SURAMIN: Page 796. Clarity and acidity of solution. Delete this requirement and insert: Clarity of solution. Dissolve 1.0 g. in 100 ml. of carbon dioxide-free water; not more than a minute trace is left undissolved and the solution is clear. Acidity. Dissolve 5.0 g. in 50 ml. of water previously neutralised to methyl red and methylene blue solution and titrate with *N/50 hydrochloric acid* or *N/50 sodium hydroxide*. Not more than 0.5 ml. of *N/50 hydrochloric acid* or *N/50 sodium hydroxide* is required.

SURAMIN INJECTION: Page 798, line 4. For "Clarity and acidity of solution" read "Clarity of solution; Acidity."

PHARMACEUTICAL ANALYSIS DIPLOMA
Society and Institute collaborate

AFTER discussion, which began early in 1962, the Councils of the Pharmaceutical Society and Royal Institute of Chemistry have agreed to establish a Diploma in Pharmaceutical Analysis. The new diploma will be awarded to persons who are members of the Society or of the Institute and who pass an examination requiring a sound theoretical and practical knowledge of the analytical procedure used in pharmaceutical analysis and of the chemistry and pharmacy on which they are based. Entrants for the examination must have had comprehensive experience—usually of at least five years' duration—in the analysis of pharmaceutical material. A joint examining board appointed by the Society and the Institute will ensure that the award of the diploma provides recognition of a high level of competence and understanding in the field of pharmaceutical analysis. Both Society and Institute believe that the existence of the diploma, sponsored by two bodies vitally concerned with maintaining and improving the standards of

practice in pharmaceutical analysis, should do much to advance the whole subject of the quality control of medicines and pharmaceutical products.

The examination will consist of two sections, the first a paper in chemistry or pharmacy and the second a theoretical examination comprising separate written papers in general topics relating to pharmaceutical quality control; biological and pharmaceutical principles of pharmaceutical analysis, and physical and chemical principles of pharmaceutical analysis, each of three hours' duration. There will also be a practical test comprising not more than five 7-hour papers. The joint examinations board set up to conduct the examinations may require a candidate to attend an interview before his application for admission to the diploma examination is accepted. Details of the regulations may be obtained from either the secretary and registrar of the Pharmaceutical Society, 17 Bloomsbury Square, London, W.C.1, or from the Royal Institute of Chemistry.

LECTURES ON HISTORY OF MEDICINE
Anatomy and physiology

EIGHTH in a series of lectures on the history of medicine being given by DR. EDWIN CLARKE at the Wellcome historical medical library was "The Development of Morbid Anatomy." He said that in 1761 Morgagni of Padua had established for the first time that disease could be a local process sited in an organ of the body. The next step, to the level of the tissues, was achieved by Richat in Paris in 1801. Final development in the story was the suggestion by Virchow of Berlin in 1858 that disease was basically in the cell of the tissue. In that he was applying the knowledge of Schleiden and Schwann, who had established the cell theory of life in 1839.

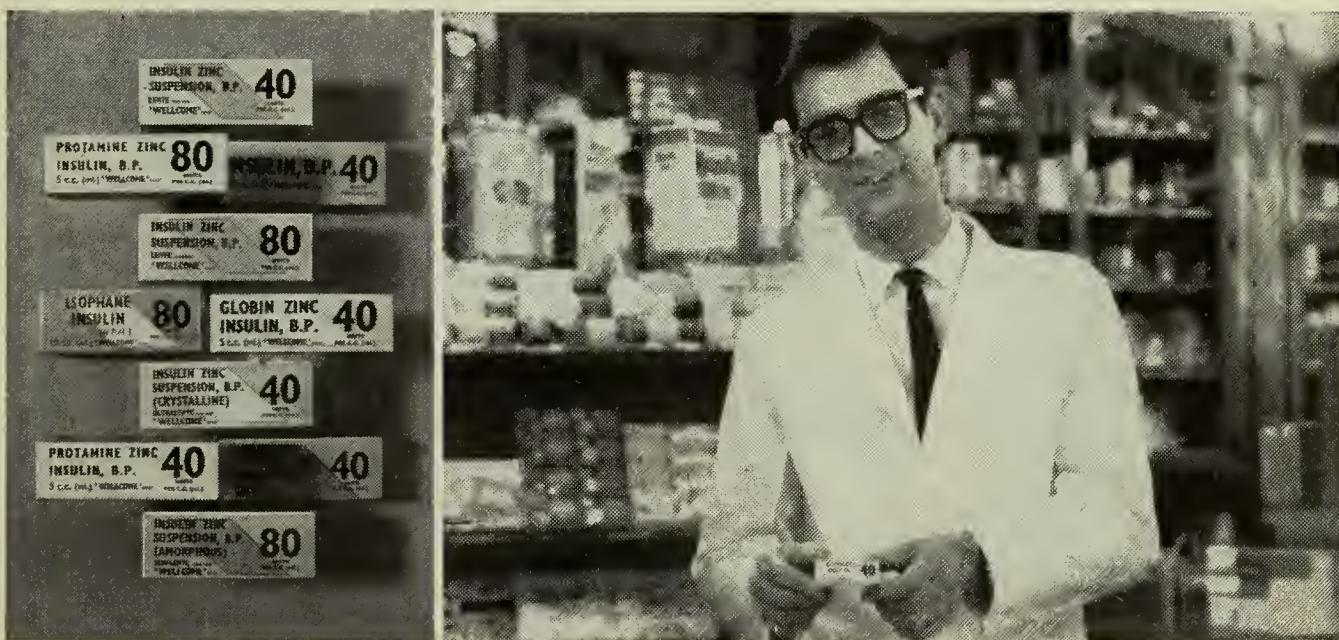
On November 12 the subject was "Physiology in the Nineteenth Century." Dr. Clarke said that around 1800 in France sense perception was felt to be the basis of all ideas and experimental data, though they should be observed with care, not to need explaining. Most outstanding exponent

of that philosophy was Magendie (1783-1855), whose most famous pupil Claude Bernard (1813-78), investigated aspects of metabolism and toxicology and established the concept of internal secretion.

On November 14 Dr. Clarke gave an outline of "Clinical Medicine in the Nineteenth Century." Rapid advances, he said, were made by applying to medical problems the discoveries in the basic sciences. The rise of bacteriology in the last quarter of the century induced further changes, and the development of specialities was a natural outcome of the ever-growing store of medical knowledge.

Subject on November 19 was "Bacteriology and Prophylactic Medicine." Discovery of the germ theory of disease by Pasteur in 1876 was, said the speaker, one of the greatest achievements of the nineteenth century. In his final talk on November 21 Dr. Clarke examined "Twentieth-century medicine."

SERVING THE DIABETIC



When you supply 'Wellcome' Insulins,
you give the best possible service.

B. W. & Co. developed and were the first company to use crystalline insulin in manufacture. Into every batch of 'Wellcome' Insulin goes an experience stretching back to the earliest days of insulin treatment. Lente, P.Z.I., Globin, Isophane and Unmodified Insulins—all are in the 'Wellcome' range.

'WELLCOME' INSULINS



BURROUGHS WELLCOME & CO., LONDON
(The Wellcome Foundation Ltd.)

BONUS OFFER

ends 31st December

13 to the dozen on quantities of 3 dozen
or more wallet packs of 'Emprazil'
ordered direct or through a wholesaler



'Emprazil' does much more than clear stuffy noses — it relieves aches and pains and reduces depression ; in fact it controls all the symptoms of the common cold and 'flu'.

Presentation : Display outers of 12 cartons, to which the Bonus Offer applies ; each carton contains a plastic wallet of 12 tablets for pocket or handbag (retail price, 4s. 1d. including P.T.). Also available for dispensing, a bottle of 100.

'EMPRAZIL' TABLETS
uncommon relief for the common cold



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, DECEMBER 11: The price of Brazilian MENTHOL continued to slide during the week, and in-bond material is now quoted at 19s. per lb. and prompt shipment at around 18s. 6d., c.i.f.; Chinese was unaltered on the week.

Among SPICES, new-crop Jamaican GINGER offers were easier by 20s. per cwt.; PEPPER was steady and inclined to be dearer and TURMERIC was up 5s. per cwt. CINNAMON QUILLS were also higher for shipment. JUNIPER BERRIES are extremely scarce; because of bad weather, the Italian crop is reported to have been a complete failure, while supplies from Germany and Eastern Europe are also short.

Among ESSENTIAL OILS, Ceylon CITRONELLA again advanced threepence per lb., while Formosan declined by an equal amount. Brazilian PEPPERMINT was reduced by threepence per lb. to 6s. CALAMUS was firmer with a wide price spread according to source. BERGAMOT is expected to be cheaper following a better crop in Italy. COUMARIN was down 2s. per lb. at a minimum price of 16s.

Turnover in ZINC metal was again very high and the price rose steeply. Makers of the B.P. OXIDE advanced their quotations on December 9 by £5 per ton, making 2-ton lots £114 per ton. DIBUTYL PHTHALATE and DI-ISO-BUTYL PHTHALATE were reduced by £15 and £13 per ton respectively.

Pharmaceutical Chemicals

ACETANILIDE. — Crystals, one-cwt. lots, 2s. 10d. per lb.; 5-cwt., 2s. 9d.

ADRENALINE. — (Per gm.). Synthetic B.P. 1-kilo lots, 11d.; 500 gm., 1s. 1d. ACID TARTRATE, B.P., 1 kilo, 7½d.; 500 gm., 9d.

AMMONIUM BICARBONATE. — B.P. powder £54 10s. per ton; CARBONATE, £83 10s. for lump and £87 10s. for powder. All in 1-cwt. free kegs.

AMMONIUM CHLORIDE. — One-cwt. lots B.P. powder, 105s. per cwt.; technical grade, 55s.

AMMONIUM SULPHATE. — One-cwt. lots 10d. per lb. for B.P.C. grade.

BISMUTH SALTS.—Prices (per lb.):

Quantity	28 lb. to 1 cwt.		5 cwt.			
	s.	d.		s.	d.	
CARBONATE	20	6	20	0	19	6
SALICYLATE	20	3	19	9	—	—
SUBGALLATE	19	9	19	3	—	—
SUBNITRATE	18	6	18	0	17	6

BISMUTH AMMONIUM CITRATE is 55s. per lb. and SODIUM TARTRATE, 35s.; OXIDE, 26s. 10d.; OXYCHLORIDE, 27s. 3d.

CAFFEINE. — ANHYDROUS and MONOHYDRATE for 50-kilo lots and over, 28s. 1d. per kilo; CITRATE, 20s. 11d.

LACTATES. — CALCIUM, B.P., 2s. 3d. per lb. in 5-cwt. lots and 2s. 4d. in 1-cwt. lots; CALCIUM SODIUM, 4s. 9d. and 4s. 10d.

MAGNESIUM CARBONATE. — Per cwt. LIGHT, 129s. or 121s. for 1-ton lots; HEAVY, 175s. for 1-cwt. lots; from 130s. to 135s. for 1-ton lots.

MAGNESIUM CHLORIDE. — One-cwt. kegs, 3s. 3d. per lb.

MAGNESIUM HYDROXIDE. — B.P.C., 1 cwt. lots, 3s. 11d. per lb.; 1-ton, 3s. 6d. per lb.

MAGNESIUM OXIDE, B.P.—LIGHT, 1-cwt. lots, 3s. 10d. per lb.; 1-ton, 3s. 7d.; HEAVY, 5s. 10d. per lb.

MAGNESIUM PEROXIDE.—B.P.C. (15 per cent.), 3s. 11d. per lb. for 1-cwt. lots.

MAGNESIUM PHOSPHATES: DIHYDROGEN, 1-cwt. lots, 4s. per lb.; TRIBASIC, 4s. 5d. lb.

MAGNESIUM SULPHATE. — B.P. in minimum 1-ton lots from £21 per ton. Exsiccated, £56 per ton.

MAGNESIUM TRISILICATE. — (Per lb.). Under 5-cwt. lots, 4s. 1d.; 1-ton, 3s. 4d.

MANDELIC ACID.—One-cwt. lots, 12s. 6d. per lb. CALCIUM SALT also 12s. 6d. SODIUM MANDELATE, 13s. and AMMONIUM MANDELATE 50 per cent. solution, 7s. 6d.

Crude Drugs

ALOES.—Primes, 245s. to 250s. per cwt. spot. Extra primes 245s., c.i.f. for shipment. Curaçao, spot, 310s.; shipment, 300s., c.i.f.

CINNAMON. — QUILLS, Ceylon (per lb., c.i.f.): 4 O's, 7s. 7½d.; single O, 7s. 1½d.; quillings, 5s. 0½d. BARK, Seychelles, 90s. cwt. spot.

GINGER.—(Per cwt.) African, spot, 270s. per cwt.; new crop, February—April, 1964, 270s., c.i.f. Jamaican No. 3 spot, 775s.; new crop February—April, 650s., c.i.f. Cochin, 285s.; new crop for shipment offered at 190s., c.i.f.

GUM ACACIA. — Kordofan-cleaned sorts, 155s. per cwt., spot; prompt shipment, 146s., c.i.f. New crop, March—April, 1964, 138s., c.i.f.

MACE.—Whole, pale blade, nominal on the spot. Shipment, 14s. 1b.

MENTHOL.—Chinese: spot, 31s. per lb. duty paid; December—January shipment, 28s., c.i.f. Brazilian, 19s. in bond; shipment, 18s. 6d., c.i.f. Formosan, 25s. 6d. in bond; 23s. 6d., c.i.f.

PEPPER.—White Sarawak spot, 2s. 10d. to 3s. per lb.; prompt shipment, 2s. 10d., c.i.f. Black Sarawak spot, 2s. 7d.; shipment, 2s. 3d., c.i.f. Black Malabar, 320s. per cwt. spot; new crop for December—January shipment, 272s. 6d., c.i.f.

SEEDS. — (Per cwt.). ANISE.—Spanish, 285s., duty paid. CARAWAY. — Dutch, 167s. 6d., duty paid. CELERY.—Indian, 150s., spot; shipment quoted at 140s., c.i.f. CORIANDER.—Moroccan unchanged at 58s., duty paid; shipment price is 47s. 6d., c.i.f. CUMIN.—Iranian is dearer, 205s., duty paid now quoted: shioment, 180s., c.i.f. DILL.—Indian, 75s. spot; shipment, 53s., c.i.f. FENNEL.—Indian, 125s. spot; shipment, 107s. 6d., c.i.f. FENUGREEK.—Moroccan, 50s., duty paid; shipment, 36s. 6d., c.i.f. MUSTARD.—English, 40s. to 75s., according to quality.

SENEGA.—Spot, 19s. per lb.; shipment, 18s. 6d., c.i.f.

TURMERIC.—Madras finger, spot quoted at 165s. per cwt.; new crop, March—April 1964 shipment, 135s.

VALERIAN ROOT. — Spot: East European, 175s. per cwt.; Indian, 175s. Shipment: Continental, 172s. 6d. to 205s. 6d., c.i.f.

WAXES. — (Per cwt.): BEES'—Dar-es-Salaam, spot, 440s.; shipment, 415s., c.i.f. Abyssinian, spot, 390s., in bond; shipment, 380s., c.i.f. CANDELILLA. spot, 465s.; forward, 460s. landed. CARNATIBA, fatty grey, spot, 305s.; shipment, 295s., c.i.f.; prime yellow, spot, 750s.; shipment, 715s. c.i.f.

WITCH HAZEL LEAVES.—Spot quotations are 2s. 6d. per lb.

Essential and Expressed Oils

ANISE.—Chinese, 13s. 3d. per lb., spot; shipment, 12s. 3d., c.i.f.

BERGAMOT.—Spot is from 86s. per lb.

BIRCH TAR.—Rectified, 8s. per lb.

BOIS DE ROSE.—Brazilian, 18s. 6d. per on the spot; shipment, 18s., c.i.f.

CADE.—Spanish, 2s. 6d. per lb. for drum lots.

CAJUPUT.—Spot, from 10s. per lb.

CALAMUS.—Spot, from 60s. to 95s. per lb as to source.

CAMPHOR, WHITE. — Chinese, 2s. 6d. duty paid, per lb.; shipment, 1s. 10d. c.i.f.

CELERY SEED. — Quotations are from 110s. per lb.

CITRONELLA. — Ceylon spot, 10s. 9d.; shipment, 10s. 6d. per lb., c.i.f. Formosan and Chinese, 6s. 9d. in bond; December—January shipment, 6s. 3d., c.i.f.

CLOVE.—Madagascar leaf spot, 7s. 1½d. per lb., duty paid; shipment, 6s. 4d., c.i.f. RECTIFIED 87-88 per cent., 12s. Distilled bud-oil, ENGLISH B.P., 26s. per lb. for 1-cwt. lots.

COD-LIVER. — B.P. in 45 gall. drum is 11s. 6d. per gall. including 30s. deposit on drum. Veterinary is from 9s. 6d. per gall. 25-stone lots. Delivered terms.

LAVANDIN.—From 20s. to 27s. per lb. as to quality.

LAVENDER.—Spot, 25s. to 35s. per lb. as to quality.

LAVENDER SPIKE.—Firm. Spanish, new crop, 18s. 3d. per lb.

LEMON.—Spot Sicilian from 30s. to 40s. per lb.

LIME. — West Indian distilled 52s. 6d. per lb. on the spot.

NUTMEG.—West Indian B.P. oil is about 75s. per lb. English distilled, 100s.

ORANGE.—Floridan sweet oil, 7s. per lb. West Indian, 10s.; Spanish, 15s. to 17s. 6d.

PALMAROSA. — Shipment, 56s. per lb. c.i.f.; spot, 62s. 6d.

PATCHOULI.—Penang is 24s., duty paid and 22s., c.i.f., per lb.

PENNYROYAL. — Spot, 12s. 6d. per lb., duty paid.

PEPPERMINT. — *Arvensis*: Chinese spot, 8s. 9d.; shipment, 8s., c.i.f. Brazilian spot, 6s.; shipment, 5s. 10½d., c.i.f. *Piperita*: Italian, 48s. to 70s., spot. American can from 32s. 6d. per lb. as to make.

PEARMINT.—American oil on the spot, 26s. per lb.

YLANG-YLANG. — Best oil quoted about 145s. per lb.

UNITED STATES REPORT

NEW YORK, DECEMBER 10: Higher metal prices forced up the quotations for TIN and ZINC chemicals in the past week. U.S.P. grade BENZOIC ACID was lifted five cents to 53 cents a lb. and two large producers of GLYCERIN announced higher rates (by 1½ cents per lb.) from next month. Prices were also boosted for EPHEDRINE to make the ANHYDROUS ALKALOID 80 cents per oz., up 15 cents and the SULPHATE 53 cents, up five cents. ASAFOETIDA advanced five cents to 65 cents a lb., but OLIBANUM was lower with the tears now 20 cents a lb., down three cents. Higher per lb. among ESSENTIAL OILS was LAVANDIN which rose another 55 cents to \$4 a lb.

Family Expenditure

DIFFERENCES IN WEEKLY SPENDING ACCORDING TO TYPE OF HOUSEHOLD

WEEKLY expenditure by households in the United Kingdom in 1962, and comparisons between 1957-59 and 1960-62 in the patterns of that expenditure are given in the Family Expenditure Survey Report for 1962 (H.M. Stationery Office, price 15s.). To compile the report nearly 3,600 households furnished the Ministry of Labour with detailed accounts of their expenditure, mainly related to two consecutive weeks, during 1962. As the households varied in size from nearly 500 persons living alone to twenty-three households containing nine or more persons, their incomes varied substantially, and so did their spending.

The report gives full details of the expenditure incurred by different types of households with varying levels of incomes. Three analyses which have not previously been published are included. The first relates to expenditure according to the occupations of the heads of the households, cross-analysed by the gross income of the household. For that group there are four occupational categories:—(a) employers, professional persons working on their own account, and professional and managerial employees, including teachers; (b) clerical employees and shop assistants; (c) employees in manual occupations; (d) retired and unoccupied. There is a new analysis of expenditure for the years 1961-62 for four geographical areas of England, and for Wales and Scotland.

The third new analysis details expenditure according to the type of dwelling and gross income of the household. The types of dwelling shown are local authority rented houses, other unfurnished rented houses, owner-occupied houses being bought; those fully owned.

Some statistical information has been abstracted and is tabulated alongside.

N.H.S. STATISTICS

IN SURREY during March 554,331 prescriptions were dispensed at a total cost of £252,617. Average cost per prescription was 109·37d., of which ingredients amounted to 90·58d. During April 479,741 prescriptions were dispensed at a total cost of £226,803. Average cost per prescription was 113·46d., of which ingredients cost 94·61d.

IN LONDON during May, 1,291,430 prescriptions (893,365 forms) were dispensed at a total cost of £528,770. The average total cost per prescription was 98·27d., of which ingredients amounted to 79·47d. During June 1,137,819 prescriptions (795,493 forms) were dispensed at a total cost of £473,944. Average total cost per prescription was 99·97d. of which ingredients totalled 81·17d.

HOUSEHOLD EXPENDITURE	Medicines and surgical goods	Toilet requisites, cosmetics, etc.	Optical and photographic goods	Medical, dental and nursing fees
ACCORDING TO INCOME, 1962	s. d.	s. d.	s. d.	s. d.
Under £4	0 10·0	0 4·2	0 2·0	0 2·4
£4 but under £6	1 1·6	0 8·6	0 0·3	0 0·7
£6 „ „ £10	1 8·9	1 7·2	0 1·9	0 2·5
£10 „ „ £15	1 11·1	2 0·8	0 4·7	0 6·7
£15 „ „ £20	1 11·7	3 2·1	0 7·7	0 4·7
£20 „ „ £25	2 4·7	3 11·1	0 10·5	1 2·0
£25 „ „ £30	2 5·6	4 9·3	2 3·8	0 8·8
£30 „ „ £40	2 11·3	6 6·0	2 4·4	1 1·8
£40 or more	6 2·3	7 7·2	3 5·8	1 4·2
All households	2 3·9	3 5·7	1 0·8	0 8·0
ACCORDING TO LOCALITY				
Northern, East and West Ridings, North Western	2 1·4	3 2·6	1 2·1	0 6·8
North Midland, Midland, Eastern	2 4·1	3 7·9	1 3·5	0 8·5
London and South Eastern	2 3·6	3 8·2	1 7·3	1 4·6
Southern, South Western	3 0·2	3 2·5	0 9·6	0 9·6
Wales	2 2·1	2 11·5	1 3·9	1 0·4
Scotland	1 9·4	2 7·6	0 7·8	0 9·7
BY OCCUPATION OF HEAD OF HOUSEHOLD AND BY GROSS HOUSEHOLD INCOME				
(a) Employers and professional workers				
Household weekly income				
£10 but under £25	2 5·3	3 7·7	1 5·3	0 1·4
£25 „ „ £40	3 0·6	5 6·3	1 10·0	1 9·4
£40 or more	9 6·9†	8 2·0	4 11·2	1 7·6
(b) Clerical employees and shop assistants				
Household weekly income				
£10 but under £20	1 10·6	3 3·1	0 9·5	0 6·4
£20 or more	3 1·4	6 1·1	5 0·5†	0 11·8
(c) Employees in manual occupations				
Household weekly income				
under £10	1 6·2	1 2·7	0 1·8	0 0·4
£10 but under £15	1 7·9	1 10·7	0 3·5	0 3·5
£15 „ „ £20	1 8·0	2 10·9	0 7·5	0 4·8
£20 „ „ £25	2 3·2	3 9·7	0 7·4	1 1·8
£25 „ „ £30	2 4·4	4 8·7	0 11·6	0 7·3
£30 or more	2 8·5	6 7·8	2 0·1	0 7·6
(d) Expenditure in 1962 by retired and unoccupied persons				
Under £4	0 8·4	0 2·8	0 2·2	0 2·7
£4 but under £6	1 1·6	0 8·0	0 0·3	0 0·6
£6 „ „ £10	1 9·5	1 7·7	0 1·7	0 3·9
£10 „ „ £20	2 11·8	2 8·5	0 2·5	1 1·9
£20 or more	2 7·7	4 3·5	2 4·9	2 0·2
BY OCCUPANTS OF LOCAL AUTHORITY RENTED DWELLINGS				
Average weekly household expenditure				
Under £6	0 9·6	0 6·1	0 2·3	0 1·0
£6 but under £15	1 6·9	1 6·5	0 2·4	0 3·8
£15 „ „ £20	1 8·0	2 10·7	0 10·7	0 5·1
£20 „ „ £30	2 2·1	4 1·9	0 7·5	1 0·0
£30 or more	3 2·2	6 10·2	1 1·5	0 7·4
BY OCCUPANTS OF PRIVATELY OWNED UNFURNISHED RENTED DWELLINGS				
Under £6	0 10·7	0 5·8	0 0·5	0 0·5
£6 but under £15	1 10·4	1 9·0	0 2·7	0 7·3
£15 „ „ £20	1 11·2	2 8·1	0 3·7	0 5·9
£20 „ „ £30	2 3·4	4 1·5	0 11·3	1 1·0
£30 or more	2 3·4	7 0·5	3 3·7	1 9·6
BY FAMILIES PURCHASING OWNER-OCCUPIED DWELLINGS				
£6 but under £15	1 8·6	2 5·6	0 9·3	0 9·2
£15 „ „ £20	2 1·8	3 6·0	0 10·9	0 2·4
£20 „ „ £30	2 7·9	4 3·5	0 8·6	1 0·3
£30 or more	3 4·3	7 1·0	2 11·3	1 6·9
BY FAMILIES IN FULLY OWNED OCCUPIED DWELLINGS				
Under £6	1 3·9	0 7·7	—	0 3·5
£6 but under £15	2 4·3	2 1·8	0 3·2	0 3·9
£15 „ „ £20	2 6·6	3 5·6	0 3·7	0 6·8
£20 „ „ £30	2 8·5	4 7·5	2 10·1	1 2·0
£30 or more	2 11·6	6 5·0	3 10·3	0 8·3

† These figures have a relatively high sampling error

WILLS

MR. S. R. BINNS, M.P.S., Fairhaven, Tuel Lane, Sowerby Bridge, Yorks, left £7,602 (£7,279 net).

Miss M. W. BOLAND, M.P.S., 10 Ilford Road, West Jesmond, Newcastle-on-Tyne, left £3,710 (£3,256 net).

MR. J. CHAPMAN, M.P.S., 4 Annbank, Low Banton, Kilsyth, Glasgow, left personal estate in England and Scotland valued at £15,520.

MR. G. M. CROOKS, M.P.S., Crestwynd, Windsor Gardens, Shildon, co. Durham, left £11,356 (£11,265 net).

MR. J. O. GREGORY, M.P.S., 54 Hazeloe Road, Shirley, Solihull, Warwicks, left £6,616 (£4,508 net).

MR. P. T. HARRIS, M.P.S., Middlehill, Upper Sea Road, Bexhill-on-Sea, Sussex, left £4,017 (£3,830 net).

MR. H. E. KEETLEY, M.P.S., Mile Hill House, Winsick, Hasland, Chesterfield, Derbys, left £35,191 (£33,357 net).

MR. R. T. NEWMAN, M.P.S., 58 Selmeton Road, Eastbourne, Sussex, left £2,531 (£2,443 net).

MR. F. H. PEACOCK, M.P.S., Ellangowan Hotel, Holyhead Road, Coventry, Warwicks, left £14,553 (£14,489 net).

MR. P. R. W. SHINNER, M.P.S.N.I., 12 Collingbridge Gardens, Newtownabbey, co. Antrim, Northern Ireland (a member of Council, Pharmaceutical Society of Northern Ireland), left personal estate in England and estate in Northern Ireland valued at £13,408.

Miss B. A. STEVENS, M.P.S., 34 Pemberley Avenue, Bedford, left £13,255 (£13,197 net).

MR. H. VAUGHAN, M.P.S., 11 High Street, Builth Wells, Brecon, left £8,768 (£5,290 net).

MR. W. S. WALKER, M.P.S., 3 Brookfield Street, Leigh, Lancs, left £6,333 (£6,240 net).

MR. W. J. WILLIAMSON, M.P.S., 3 South Ridge, Brunton Park, Gosforth, Newcastle-upon-Tyne, left £7,128 (£6,823 net).

MR. F. W. WILLIES, M.P.S., The Wilderness, Grove Lane, Holt, Norfolk, left £8,105 (£7,952 net).

PRINT AND PUBLICITY

Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists. ALLIED LABORATORIES, LTD., 140 Park Lane, London, W.1: "Pain safely, effectively relieved—Myolgin" (2-p. folder).

BAYER PRODUCTS CO., Surbiton-on-Thames, Surrey: "Gerisom . . . for the treatment of insomnia, particularly in the elderly patient" (card).

CIBA LABORATORIES, LTD., Horsham, Sussex: "Otrivine . . . a new nasal decongestant" (6-p. booklet).

DALES PHARMACEUTICALS, LTD., Power Road, London, W.4: "Cutisan—new synthetic bacteriostatic" (folder).



TO FIT THE CASE: To direct attention to the attractions of the Philishave as a gift, Philips Electrical, Ltd., Century House, Shaftesbury Avenue, London, W.C.2, have produced the cut-out displaypiece shown. It fits on to the open container of the shaver.

COMMERCIAL TELEVISION

Figures in these columns represent the number of appearances of the "spot" during the week.

December 22-28

	London	Midland	North	Scotland	Wales	South	North-east	Anglia	Ulster	Westward	Border	Grampian	Eireann	Channel Is.	W. & N. Wales
Alka-Seltzer	5	2	5	2	5	5	—	5	5	5	5	5	2	5	5
Anadin tablets	10	5	2	1	6	3	5	3	2	1	2	1	—	—	—
Andrew's liver salt	3	2	3	—	5	3	3	3	2	2	5	—	—	1	1
Antussin cough treatment	2	3	3	1	3	2	1	2	4	—	—	—	—	—	—
Askit powders and tablets	—	—	—	14	—	—	—	—	—	—	5	3	—	—	—
Beecham's pills	—	—	—	3	—	—	4	—	—	—	—	—	—	—	—
powders	5	6	5	8	6	5	5	6	5	5	5	4	—	5	—
Bisodol	—	—	—	—	—	—	5	—	—	—	—	—	—	—	—
Buttercup syrup	—	—	4	—	—	1	—	—	—	—	—	—	—	—	—
Cuticura products	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Delrosa rose hip syrup	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—
Derma Fresh hand lotion	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—
Dinneford's magnesia	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Disprin	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—
Germolene	3	3	3	4	3	3	4	3	—	3	—	3	—	—	—
Get Set hair-spray	2	1	1	1	—	1	—	1	—	—	—	—	—	—	—
Gillette adjustable mark II razor	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
razor blades	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Imperial Leather soap	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—
Loxene shampoo	—	—	1	—	—	—	2	—	—	—	—	—	—	—	—
Macleans tooth-paste	1	—	—	—	—	3	—	—	—	3	—	—	—	—	—
Mac throat sweets	—	—	—	—	—	—	2	2	2	—	2	2	—	—	—
Matey	1	2	—	—	—	2	2	2	—	2	2	—	—	—	—
Milk of Magnesia	3	2	3	6	5	—	3	3	2	4	2	—	—	—	—
tablets	2	3	4	6	4	3	4	4	3	3	4	—	—	4	5
Moorland tablets	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—
Penetrol inhalant	—	—	1	1	—	1	—	—	—	—	—	—	—	—	—
Phyllosan	3	3	3	—	3	3	3	—	—	—	—	—	—	—	—
Please choc-drops for dogs	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—
Procol capsules	3	4	5	3	3	2	4	3	5	4	3	2	—	7	4
Rennies	—	—	2	1	4	—	2	4	3	—	—	2	—	2	—
Setlers	3	—	3	—	—	3	—	—	2	—	—	—	—	—	—
VO-5 conditioner	2	2	2	1	1	1	—	1	—	1	—	—	—	—	—
hair-spray	2	2	2	1	1	1	—	1	—	1	—	—	—	—	—
shampoo	2	2	2	1	2	1	—	2	—	2	—	—	—	—	—
Vaseline petroleum jelly	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—
Veno's cough mixture	2	5	4	1	3	1	—	2	—	1	2	—	—	—	—

PRINT AND PUBLICITY

DUNCAN FLOCKHART & CO., LTD., 16 Wharfside Road, Edinburgh, 11. "Alidine, a potent analgesic with advantages over morphine"; "DF 118, for the management of pain"; "Falapen, fast long-acting oral penicillin"; "Tiglyssin, for symptomatic relief of spasticity" (filing cards).

E.I. LILLY & CO., LTD., Basingstoke, Hants: "Aventyl" (clinical data booklet, 17 pp.).

FBA PHARMACEUTICALS, LTD., Burrell Road, Haywards Heath, Sussex: "Trenimon cyto-static" (13-p. booklet).

HORLICKS, LTD., pharmaceutical division, Slough. Bucks: "Sidores tablets for the treatment of iron-deficiency anaemia."

LEOPOLD CHARLES & CO., LTD., 27 Whitfield Street, London, W.1. "Shostakowsky balsam" (30-p. booklet).

LLOYD'S RESEARCH, LTD., 36 Berkeley Square, London, W.1. "Lloyd's high protein foods" (9-p. booklet). "The rôle of protein in nutrition" (23-p. booklet).

MAY & BAKER, LTD., Dagenham, Essex. "For the oral treatment of itching—Vallergan" (3-p. folder). "Phensedyl for coughs" (blotter).

MERCK, SHARP & DOHME, LTD., Hoddesdon, Herts: "Colbenemid . . . for the better management of gout" (6-p. booklet). "Announcing Colbenemid" (3-p. folder).

PHARMAX, LTD., Thames Road, Crayford, Dartford, Kent: "Beogex suppositories . . . induce peristalsis by the release of carbon dioxide" (4-p. booklet). "Constipation . . . an entirely new concept" (4-p. leaflet). "Beogex" (card). "And now for babies and old people, Colomycin syrup" (3-p. leaflet).

ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.1: "Valium . . . relaxes mind and body" (3-p. folder). "Mestinon as a treatment for delayed menstruation and a test for early pregnancy" (3-p. leaflet).

PUBLICATIONS

Catalogues

DRAGOCO (GREAT BRITAIN), LTD., Brentwood, Essex: Dragoco selected perfumery products (pp. 128).

KODAK, LTD., Kingsway, London, W.C.2. 1963 Professional catalogue (pp. 224).

NU-SWIFT INTERNATIONAL, LTD., Elland, Yorks: Portable fire extinguishers. 128-p. Third edition.

RANK FILM LIBRARY, 1 Aintree Road, Perivale, Middlesex. 1963-64 catalogue of 16-mm. entertainment films (pp. 152).

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, December 16

PESTICIDES GROUP, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at 5.30 p.m. Mr. A. Stevenson (Robinson Bros., Ltd.) on "Analysis of Dithiocarbamates and Thiram Disulphides used in Agriculture."

Tuesday, December 17

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, New Hackwood hotel, Widmore Road, Bromley, at 8 p.m. Mr. E. W. Masters (a certified public accountant) on "The Incidence of Taxation."

Thursday, December 19

READING BRANCH, PHARMACEUTICAL SOCIETY, County Liberal Club, Blagrave Street, Reading, at 8 p.m. Christmas dinner.

Advance Information

INDUSTRIAL WELFARE SOCIETY, Connaught rooms, Great Queen Street, London, W.C.2. One-day retail supervisory course. February 12, 1964. Details from I.W.S., 48 Bryanston Square, London, W.1.

INTERNATIONAL SYMPOSIUM ON ORGANIC REACTION MECHANISMS, University College, Cork, Eire, July 20-24, 1964. Joint sponsors: Institute of Chemistry of Ireland, University College, Cork; and Chemical Society, Burlington House, London, W.1.

TRADE MARKS

APPLICATION ADVERTISED
BEFORE REGISTRATION.

From the "Trade Marks Journal," November 20
For photographic, cinematographic and optical apparatus and instruments, and parts and fittings; tripods for cameras; storage cases adapted for containing photographic transparencies; photographic developing dishes; roller squeegees for use in photographic processing; holders, masks and protective shields, all being for use with photographic transparencies; thermometers; and darkroom lamps (9)

Device with word TITANIA, 839,901, by Walter Witt Photoartikel, Berlin-Schoneberg, Germany.

For photographic cameras and parts (9)

HORSEMAN, 843,150, by B. Bennett & Sons, Ltd., Edgware, Middlesex.

For photographic and cinematographic apparatus and instruments and parts (9)

SELECTA-MOT, 850,825, by Agfa, A.G., Leverkusen-Bayerwerk, Germany.

For photographic, cinematographic and optical apparatus and instruments and parts and fittings; lenses and exposure meters (9)

CADIOR, 853,219, by Wedding Photo Co. (London), Ltd., London, N.W.3.

For photographic albums, photographic proofs (prints), photographic prints; photograph stands; and mounts made of plastics or of cardboard for photographic transparencies (16)

TOPS'L, 850,802, by Ormskirk Photo Services, Ltd., Ormskirk, Lancs.

For toilet and domestic utensils and containers; dispensers for soaps and for liquids; and holders and dispensers, all for toilet paper and towels (21)

Device, 835,614, by Jayes' Sanitary Compounds Co., Ltd., Barking, Essex.

From the "Trade Marks Journal," November 27
For chemical substances for use in the perfume industry (1)

MELONIA, 849,439, by Roch Products, Ltd., Welwyn Garden City, Herts.

For preparations and substances for laundry use; cleaning, polishing, scouring and abrasive preparations, soaps, perfumes, non-medicated toilet preparations and cosmetics, essential oils, hair lotions and dentifrices (3)

BIBONGE, 850,295, by Elekal, Paris, 16e, France.

For hair setting lotions (3)

FIXEPLISS, 850,339, by Elizabeth Arden, Ltd., London, W.1.

For all goods, but not including washing preparations in powder form, carpet shampoos, or cleaning, polishing, scouring or abrasive preparations (3) and for all goods, but not including pharmaceutical, veterinary and sanitary substances (5)

SWIFTEE, 830,679, 830,681, by Swift & Co., Chicago, Illinois, U.S.A.

For glucose in powder form containing vitamins, being for use in medicine and pharmacy (5)

GLUCVIT, 836,683, by Rhee, Steele & Co., Ltd., Dublin, 8, Ireland.

For all goods (5)

DOBERON, 840,035, by C. H. Boehringer Sohn, Ingelheim on Rhine, Germany. FERAVIT, 843,877, by Evans Medical, Ltd., Speke, Liverpool, 24. ALPORIN, 845,267, by Glaxo Laboratories, Ltd., Greenford, Middlesex. CYTORICH, 846,233, by Sankyo, K.K., Chuo-ku, Tokyo, Japan. KLEERGOL, 853,952, by Colgate-Palmolive Co., New York, U.S.A. SALAMOL, 853,943, by Horlick, Ltd., Slough, Bucks.

For opacifiers, being pharmaceutical preparations for use in radiography (5)

ANGIO-CONRAY, 842,403, by Mallinckrodt Chemical Works, St. Louis, Missouri, U.S.A.

For pharmaceutical preparations for external application for the treatment of the skin (5)

HYDROPIX, B842,483, by Genatosan, Ltd., Loughborough, Leics.

For pharmaceutical preparations containing amines or derivatives of amines (5)

STUDIAMINE, 843,407, by Jean Delourme, Paris, France.

For milk foods for infants (5)

Device with words COW & GATE MILK FOOD, B844,066, by Cow & Gate, Ltd., Guildford, Surrey.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED

From the "Official Journal (Patents),"

November 27

2-(2-hydroxy-41-aminophenyl)- Δ^2 -1:3:4-oxadiazoline-5-one and acid-addition salts thereof. H. Erlenmeyer, 945,910.

Purification of organic salts. Badische Anilin- & Soda-Fabrik, A.G. 945,915.

Stabilizer for sulphur trioxide. Farbwerke Hoechst, A.G. 946,033.

Guanidines and process for preparing same. CIBA, Ltd. 946,100.

Photoconductive coatings for electrophotography. Kalle, A.G. 946,107.

Photographic reproduction. Kalle, A.G. 946,108. Method of preparing partial fatty acid esters of inositol. Procter & Gamble, Ltd. 946,304.

Preparation of partial fatty acid esters of inositol. Procter & Gamble, Ltd. 946,305.

3-amino-androstan compound. Organon Laboratories, Ltd. 945,849.

Aalkylthio steroids and processes for their manufacture. E. Merck, A.G. 946,036.

Pivoted blade shutter for photographic camera. Agfa, A.G. 945,805.

Anthroquinone dyestuffs and their use. J. R. Geigy, A.G. 945,806.

Photographic film processing apparatus. British Broadcasting Corporation. 945,900.

Focusing mechanism in twin-lens photographic cameras. Rollei-Werke Franke & Heidecke, 945,945.

Photographic camera lens hoods. Rollei-Werke Franke & Heidecke, 945,946.

Between-lens shutter for single-lens reflex cameras. Compurwerk F. Deckel, O.H.G. 946,160.

Photographic image transfer process. E. I. du Pont de Nemours & Co. 945,807.

Light-sensitive photographic materials. Gevaert Photo-Producten, N.V. 945,857.

Process for protecting colour diffusion transfer images from sunlight. International Polaroid Corporation. 946,012.

Kinematograph projector. Aldis Bros., Ltd. 945,761.

Kinematographic apparatus. Ed. Liesegang. 946,118.

British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from January 8.

From the "Official Journal (Patents),"

December 4

Veterinary preparations for combating endoparasites by intravenous injection. Farbenfabrik Wolfen Veb. 946,547.

Steroids. Upjohn Co. 946,575-76

Steroids and the manufacture thereof. Upjohn Co. 946,577-79.

Fungicidal benzisothiazolinone. Rohm & Haas Co. 946,768.

Pesticidal preparations for the treatment of culture plants and seeds. Farbwerke Hoechst, A.G. 946,770.

Substituted nitraniines and herbicidal compositions containing same. Monsanto Chemical Co. 946,862.

Catamenial tampons. Johnson & Johnson. 946,934.

Pressure-breathing apparatus. Minister of Aviation. 946,778.

Production of adipic acid. Scientific Design Co., Inc. 946,382.

Process for the manufacture of sorbic acid. Farbwerke Hoechst, A.G. 946,400.

Process for the preparation of 1,3,3-trichloropropene-1. Montecatini Soe. Generale per L'Industria Mineraria e Chimica. 946,403.

Process for the manufacture of N-acyl-peptides. Farbwerke Hoechst, A.G. 946,405.

Photographic materials. Ilford, Ltd. 946,476.

Sulphonamides and a process for the manufacture thereof. F. Hoffmann-La Roche & Co., A.G. 946,458.

Pyridine compounds and a process for the manufacture thereof. F. Hoffmann-La Roche & Co. A.G. 946,486-88.

British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from January 15.

NEW COMPANIES

BEAUTISHAPE INTERNATIONAL, LTD. (P.C.)—Capital £100. To acquire the manufacturing and distributing rights of Model Girl products now owned by Du Barry, London and New York, Ltd., 89 Wigmore Street, London, W.1, and Sharps' Marketing Services, Ltd., of the same address; carry on the business of manufacturers of cosmetics, etc. Directors: Wallace S. Sharps and Betty Sharps, R.O.: 89 Wigmore Street, London, W.1.

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HONEYJEL, LTD. (P.C.)—Capital £100. To carry on the business of manufacturing, dealing in and distributing medicines, etc. Directors: George W. Taylor, M.P.S., and Elizabeth H. Taylor, R.O.: 10 Grant Street, Bradford, Yorks.

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NOVOCHEM WHOLESALE, LTD. (P.C.)—Capital £100. To carry on the business of wholesale and retail chemists, etc. Subscribers: Jean Herbert and Thomas A. Herbert, 156 Strand, London, W.C.2.

SOUTH EASTERN LABORATORY, LTD. (P.C.)—Capital £100. To carry on the business of analytical chemists and bacteriologists, etc. Directors: James H. E. Marshall and Clifford J. Saunders, R.O.: 1 New Dover Road, Canterbury, Kent.

WIGMORE PRODUCTS, LTD. (P.C.)—Capital £100. To carry on the business of druggists. Subscribers: Stanley H. Lucas and Francis A. Dean, R.O.: 6 Surrey Street, London, W.C.2.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical periodicals.

CHLOROQUINE, SOLUBLE ASPIRIN, AND GAMMA-GLOBULIN. Multiple sclerosis; therapeutic trials of. *Brit. med. J.*, December 7.

ORAL SUSTAINED RELEASE DOSAGE FORMS. Development and design of. *Indian J. Pharm.*, November.

BEESWAX COMPONENTS. Pharmaceutical applications of. *Indian J. Pharm.*, November.

p-HYDROXYPHENOXYMETHYL PENICILLIN. Identification of, as a metabolite of phenoxyethyl penicillin. *Nature*, November 30.

TREMORINE. Effect of, and some anti-parkinson's disease drugs on acetylcholine in the rat's brain. *Nature*, November 30.

COMMERCIALLY PREPARED TRITIATED FOLIC ACID. Impurities in. *Nature*, November 30.

CHEMICAL CONTROL OF INSECTS. *New Scientist*, December 5.

GENERAL ANESTHESIA. The components of. *J. Amer. med. Ass.*, November 16.

ANTIBIOTICS. Topical use of. *J. Amer. med. Ass.*, November 16.

METHYRIDINE (2-(B-methoxyethyl) pyridine). The anthelmintic activity of, against *capillaria ob-signata* in chickens. *Vet. Rec.*, December 7.

THE ASSAY OF ALDOLASE. Limiting factor in. *Nature*, December 7.

THALIDOMIDE and neoplasia. *Nature*, December 7.

SUCCINYLCHOLINE CHLORIDE. Immobilisation of elephant seals using. *Nature*, December 7.

A COMBINED COMPLEMENT-FIXING ANTIGEN. Use of, to detect arthropod-borne viral infection. *Nature*, December 7.



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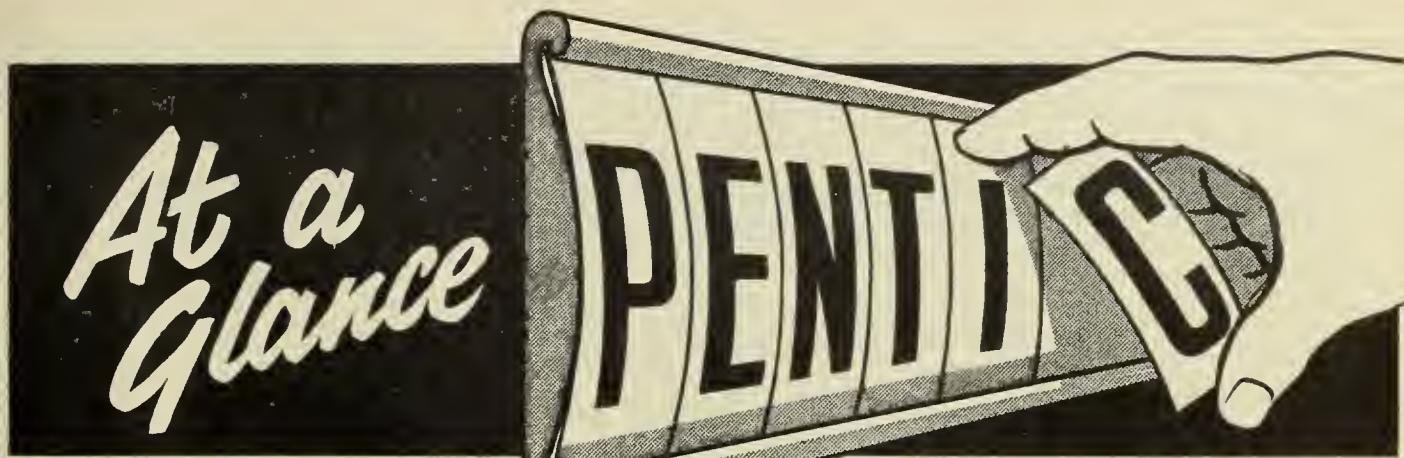
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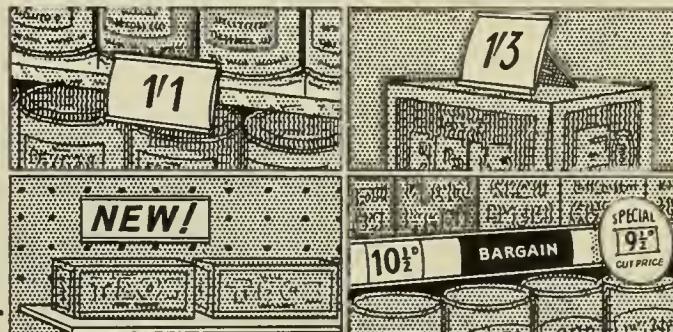
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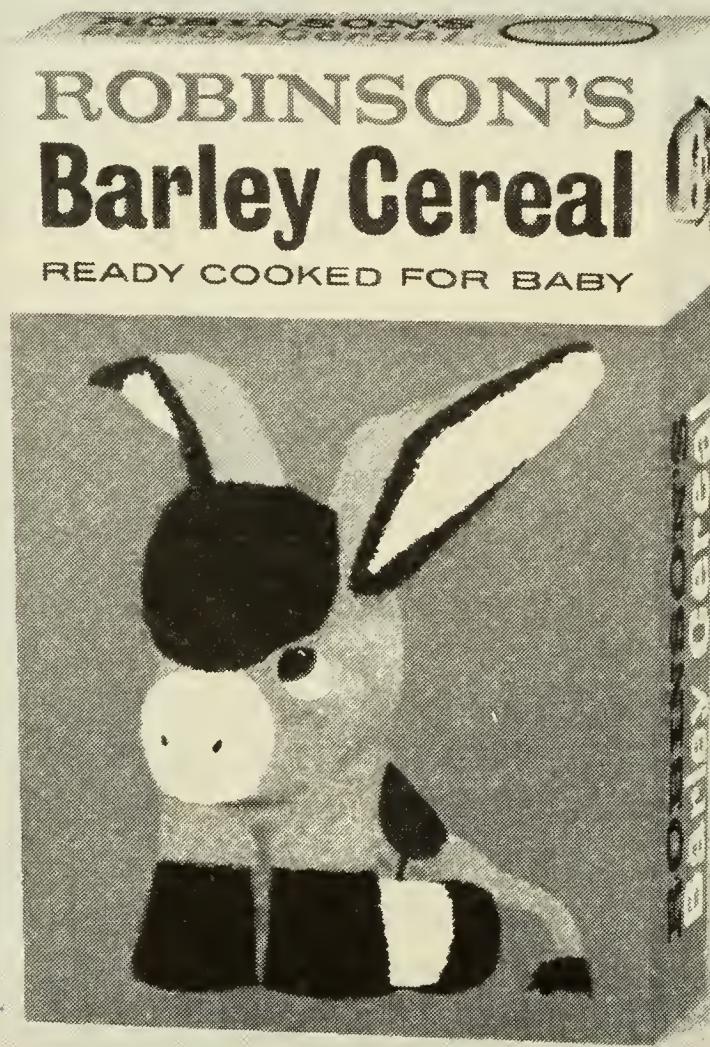
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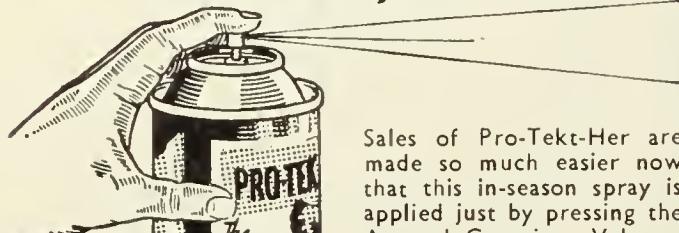
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CHRISTMAS 1963

The latest dates for acceptance of Classified Advertisements over the Christmas period are as follows:—

ISSUE

DECEMBER 21, 1963
DECEMBER 28, 1963

COPY DATE

Not later than 4 p.m. on

DECEMBER 17
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APPOINTMENTS

**ANCOATS HOSPITAL,
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Dispensing Assistant required at Ancoats Hospital, Manchester, 4. Apply stating age, details of experience and names of two referees, to the General Superintendent. C 8720

**BARNET GENERAL HOSPITAL,
 WELLHOUSE LANE,
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Locum Pharmacist required. Apply to Hospital Secretary, naming two referees. C 8697

**BRENTWOOD GROUP
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**BATTERSEA GENERAL
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 (71 beds),
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Chief Pharmacist (Category II) for busy acute Hospital. Vacant end of December. Applications naming three referees to Secretary, Battersea & Putney Group Hospital Management Committee, St. John's Hospital, St. John's Hill, S.W.11. C 8707

**GROVE PARK HOSPITAL,
 LEE, S.E.12**

Chief Pharmacist (Category II) required at the above hospital. Salary £940 to £1,260 plus London Weighting Allowance. Applications naming two referees to Group Secretary, Lewisham Hospital, High Street, S.E.13. C 8706

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 MANAGEMENT COMMITTEE**

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 (403 beds)**

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Applications are invited for the above post at this general hospital within easy reach of Central London. Whitley Council salary and conditions of service. Applications stating age, qualifications and experience, together with the names of two referees, to the Chief Pharmacist. C 652

**ST. MARK'S HOSPITAL,
 CITY ROAD, LONDON, E.C.1
 (Post-graduate Teaching Hospital)**

Locum Pharmacist required for several weeks commencing 30th December. Salary £19 19s. per week. Telephone Chief Pharmacist (CLE. 8821). C 8718

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 DEWSBURY, YORKSHIRE**

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Appointments—Continued**ST. GILES HOSPITAL,
CAMBERWELL, S.E.5**

Locum Pharmacist

Full-time or part-time required. Apply Chief Pharmacist.

C 8689

**ST. MARK'S HOSPITAL,
CITY ROAD, LONDON, E.C.1
(Post-graduate Teaching Hospital)**

Pharmacist

Applications invited for the appointment of Pharmacist at this Surgical Hospital (rectal and colonic). Whitley salary scale £725—£970 plus £25/£45 London Allowance. Additional £25 if holding higher qualifications. Previous hospital experience not essential. Service in retail pharmacy, etc., taken into account in deciding commencing salary. Detailed applications, naming two referees, to Chief Pharmacist. C 8719

**ST. WOOLOS HOSPITAL,
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(405 beds)**

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**THE GENERAL HOSPITAL,
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SITUATIONS VACANT WHOLESALE**DUNCAN, FLOCKHART & CO. LTD.,****Wheatfield Road, Edinburgh, 11**

SEEK A

REPRESENTATIVE

for a territory consisting of North London. The work consists of providing information on the Company's products to the medical profession and in ensuring that supplies of these products are available through hospital and the usual trade channels. A pharmacist would be preferred although a background in pharmacy or some associated occupation would also be helpful. Every facility will be provided the successful candidate to learn the work through an initial training period and continuous co-operation with the Company's scientific and medical staff. The Company is old-established and is supported by an active research organisation. A good salary is offered. There is a contributory pension scheme and a car will be provided. All legitimate expenses would be met. Please apply for an application form in confidence to Mr. N. Herdman, Managing Director, at the Company's address. C 8692

A JOB IN INDUSTRY

Burroughs Wellcome & Co. have a vacancy for a pharmacist anxious to make a start in industry.

The appointment will be as a copywriter and will involve preparation of medical and pharmaceutical literature. Mastery of English is obviously essential.

For a pharmacist whose main interest is in applying his specialised professional knowledge of drugs this can be a rewarding position. Please apply, quoting ref. AK.7, to The Personnel Officer,

**The Wellcome Foundation Limited,
183/193 Euston Road,
London N.W.1**



C 8699

Situations Vacant—Continued

AN INFANT FOODS COMPANY at an important stage of development requires a first-class representative in the Eastern Counties. The successful applicant will already have an outstanding record of selling to chemists. Ideally he will be under 40 and enjoy liaison work with doctors and nurses. The position carries with it an attractive salary, bonus, full expense allowance, car and pension scheme. All applications in confidence to Box C 5714.

ALLEN & HANBURY'S LIMITED

are offering appointments to Pharmacists as

REPRESENTATIVES

in

NORWICH	SOUTHEND
NORTH	LICHFIELD
LONDON	BRADFORD
HULL	SOUTH WALES
SUNDERLAND	S.W. SCOTLAND
SOUTH	REPUBLIC OF
WIRRAL	IRELAND
READING	(NORTH)

Training will be given and the posts offer a challenge to male Pharmacists with drive, initiative and ambition. A good salary and full expenses will be paid and a car is provided. The posts are pensionable. Applications giving details of age, qualifications and experience should be sent to the Personnel Manager, Allen & Hanbury's Ltd., Bethnal Green, London, E.2, and should quote ref. no. R.33. C 8691

DEVELOPMENT AND CONTROL. A vacancy occurs in this rapidly developing company for a Pharmacist, to join a highly qualified research team in the field of pharmaceutical development and quality control. Well qualified young man with some experience preferred with much enthusiasm. Salary by arrangement, please state figure expected, with full details in confidence to: The Managing Director, Biorex Laboratories, Ltd., 47-51 Exmouth Market, London, E.C.1. C 5723

EXPERIENCED TABLET MAKER

required for expanding Pharmaceutical factory in Slough.

Applicants should give details of experience, etc.

Reply to Box C 8725.

EXPERIENCED TABLET MAKER required for manufacturing chemists in the Northwest. Good working conditions. Salary according to experience. Box C 8694.

IMMEDIATE, PERMANENT, progressive position offered to the man with a wide experience of chemists' wholesale distributive trade for the North Staffs area. Top rates. Superannuation scheme. Box C 8721.

PHARMACIST is offered light duties, rather than prospects, by small company (non-retail) in central London. Box C 5719.

QUALIFIED CHEMIST or PHARMACIST, preferably with pharmaceutical manufacturing experience, required to take charge of control laboratory of expanding manufacturing chemists. The salary offered will satisfy the right applicant. Please apply in writing to Managing Director, Medopharma, Ltd., 158-162 Tooting High Street, London, S.W.17. C 8708

A YOUNG EXECUTIVE

Unichem Limited is a specialist buying and distributing organisation for its proprietor retail pharmacist members. It also has a developing range of its own Unichem products, and provides professional advice on many retail problems.

We are looking for a man probably in his mid-twenties, and possibly working in a junior marketing post with a large multiple chemist, or with a proprietary pharmaceutical manufacturer. His intelligence and his attitude of mind to his own future and his work will be of considerable importance. He should be able to write well, as his duties will include preparation and progressing of a house bulletin, price lists, public relations and sales material. He should know what is meant by positive merchandising and the revolution in retail distribution. If you wish to be considered for interview, please compose, most carefully, a detailed letter of application including your present salary, and write to:—

J. Kingsley Law,
UNICHEM LIMITED,
Crown House, Morden, Surrey

C 8709

EXPERIENCED REPRESENTATIVES

required by leading Hair Colour Cosmetic Manufacturers for areas in the West Country and South of England. Applications, giving full details of career to date in confidence, will only be considered from candidates living in these areas, having excellent connections with retail chemists and a first-class proven sales record. Good salary, commission, expenses and car. Excellent possibilities. Please write:

INECTO LTD.,

Inecto House, 27 Dover Street, W.1,
or telephone Miss Harrington at HYDe Park 7541.

C 8714

SITUATIONS WANTED

ETHICAL products for the dental profession. Do you want a well-known salesman for the profession in Lancashire. Box C 5727.

LANCASHIRE medical representative seeks change; reason, area too large, 13 years' experience, with excellent contacts. Age 35. Area desired, North of the line Rochdale to Southport. Box C 5726.

AGENTS

AGENTS for Warwickshire, Leicestershire, Nottinghamshire and Yorkshire, to commence in New Year. Calling on department stores, multiples and high-class chemists, on behalf of manufacturers and importers of branded and specialised toilet and bath preparations. Generous commission. Interview in London. Please send particulars to Box C 5718.

AGENTS and freelance representatives wanted to call on wholesale and retail chemists for medium-class French perfumery and Cosmetics. Generous commission. Apply: R. Melamed Chemical Co., Ltd., Factory "C," Industrial Estate, Bognor Regis, Sussex. C 5721

TOP-CLASS AGENTS required for nationally famous André Philippe toilet and hair goods products. Must have first-class connections with chemists, co-ops and store trade. Areas: Birmingham/Midlands, Northumberland/Durham, Wales. André Philippe, Ltd., 71-71B Gowan Avenue, Fulham, S.W.6. REN. 2194-2397. C 8705

OVERSEAS**OPPORTUNITY FROM
ONTARIO, CANADA**

Agent wanted for sterile surgical suture manufacturer. Canadian company invites enquiries from qualified hospital or medical supplies agencies to distribute products exclusively in the U.K. Apply: Trade and Industry Department, Ontario House, Charles II Street, London, S.W.1. Telephone: WHitehall 6404. C 8695

WANTED

CASH FOR CAMERAS !!! Best prices paid for German and Japanese apparatus that has become obsolete or is "sticking." Quantity unlimited. The Camera Co., 320 Vauxhall Bridge Road, S.W.1, VIC. 5438. C 627

Wanted—Continued

HENSON LITTLEWOOD, dealer in surplus photographic stock. (We buy the lines you can't sell.) 6 Broad Street, Lyme Regis, Tel.: Lyme Regis 568. C 649

WANTED: Surplus cameras, enlargers, cine cameras and projectors, photographic equipment of every description. Surplus and outdated film and paper, large or small quantities. Phone, write or call: Spears (Dept. CD), back Watling Street, Shudehill, Manchester, 4. Telephone: BLAckfriars 9432 (5 lines). Bankers: Midland Bank, Ltd. C 613

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Park 3137-8. C 140

BUSINESS OPPORTUNITIES

MANLY MAN'S BELT, Nationally advertised "obtainable from chemists," 35/- Full trade terms. Order by waist size from Manly Co., Manor House, Worcester Park, Surrey, DERwent 3877. C 635

SURGICAL NEEDLES of all types. Also hospital requisites. Best quality but competitive prices. Prompt attention to inquiries. The Redditch Surgical Supply Co., West Avenue, Redditch, Warks. C 5543

YOUNG INTELLIGENT businessman with ideas and initiative offered opportunity by old-established import-export house to build up own import department. Finance, all staff and office facilities, participation in profits. Box C 5717.

MACHINERY FOR SALE

NEW 100 GALLON capacity stainless steel storage tanks. 12 available ex stock. Details from C. Skerman & Sons, Ltd., 10 Parson's Green, London, S.W.6. Telephone: RENown 6402. C 8670

STOCKTAKING

STOCKTAKER required for duties in London area and southern counties generally. Some knowledge of drug trade, wholesale or retail, essential. Ernest J. George & Co., 329 High Holborn, London, W.C.1. C 8702

TENDERS

NORTHERN IRELAND HOSPITALS

AUTHORITY

Tenders are invited for the supply of drugs to all hospitals for the period 1st April, 1964, to 31st March, 1965. Full information and form of tender may be obtained from the Secretary, Northern Ireland Hospitals Authority, 27 Adelaide Street, Belfast, 2, to whom completed tenders, labelled as instructed, should be sent so as to reach him not later than 5 p.m. on Friday, 17th January, 1964. Special consideration will be given to firms on the King's National Roll. The Authority do not bind themselves to accept the lowest or any tender. C 8710

FINANCE

RELEASE CAPITAL tied up in book debts by using our Sales Finance service, CML, 115 Gloucester Place, W.1. C 5683

SITUATIONS VACANT WHOLESALE (OVERSEAS)

The JOHN HOLT Group

invites applications for the post of

PHARMACIST — MANAGER

in its West African Drug Co., Nigeria.

REQUIREMENTS

Candidates must be fully qualified and have wide commercial experience as a manager, preferably with knowledge of store keeping and stock control.

TERMS OF SERVICE

Salary in the region of £2,000 per annum depending upon age and experience.

TOUR OF DUTY

Eighteen months followed by generous paid leave, free passages, accommodation, children's educational allowance, pension fund, etc.

Applications with personal details of background and career to:—

J. F. A. Radford, Esq.,
Group Personnel Manager,
250 India Buildings, Liverpool, 2.

C 8715



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CEN 6565
by 4 p.m. Tuesday
for same week, subject
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DISTILLATION FACILITIES for all types of CONTAMINATION SOLVENTS and EXTRACTION BY-PRODUCTS. Tanker collection or drum service where applicable. Purchase or recovery and return quotations.

Service throughout the U.K.
ALEXANDER COLE, LIMITED,
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COHAR FOR CARPETS offer 15%—20% saving, all leading makes, carriage free U.K. Huge saving on Venetian Blinds, Sewing Machines, Typewriters, Parquet Tiles, Furniture, Washing Machines, Refrigerators, Lawn Mowers and Power Tools. Showrooms at London, Leicester, Sheffield, Bradford, Leeds, Hull, Middlesbrough, Manchester, Newcastle, Bristol, Hadleigh (S.), Liverpool, Cardiff, Swansea, Aberdeen, Edinburgh, Cambridge, Plymouth, Bournemouth, Brighton, Glasgow, Dundee, Birmingham, Preston, Blackpool and Belfast. Write—Cohar Distributors, 47 Oswald Street, Glasgow, C.1. Or phone: Glasgow CENtral 8325, Birmingham MIDland 8333, London CHAncery 2345, Manchester CENtral 2321. C 600

MISCELLANEOUS

CRISTABOLITE, pure, white, 100 per cent, for "lost wax" process, investment moulds, 300 mesh, etc. Makers: Henshaw & Co., 97 Clearmount Road, Weymouth. C 5670

OINTMENTS—CREAMS—TABLETS
LIQUIDS—POWDERS

Manufacturing, Filling and Packaging Services at very keen prices. Home and Export Enquiries Welcomed.

PHARMACAL SUPPLIES, LTD.,
Green Lane, Hounslow, Middx.
Hounslow 8615. C 5576

CUMULATIVE LIST OF AMENDMENTS TO THE C.&D.

Quarterly Price List

DECEMBER

<i>Delete</i>	Agla (208 BW) atomiser r/stopper	medium cards gross	82	0	20	6	1	0
	Alderlin (649 ICI) injection 10 mgm	packets gross	144	0	36	0	1	9
	tablets 0.1 gm	large cards gross	102	6	25	7½	1	3
	250	packets gross	144	0	41	0	1	9
<i>Insert</i>	Alkadonna-P (228 Carlton) tablets	medium cards gross	82	0	20	6	1	0
	10	packets gross	144	0	36	0	1	9
	60	large cards gross	102	6	25	7½	1	3
	dp350	packets gross	144	0	41	0	1	9
	Alkeran (208 BW) injection unit pack	medium cards gross	82	0	20	6	1	0
	tablets 2 mgm	packets gross	144	0	36	0	1	9
	5 mgm	large cards gross	102	6	25	7½	1	3
	100	packets gross	144	0	41	0	1	9
	Alupent (154 B) (distributors 969 Pfizer) tablets	medium cards gross	82	0	20	6	1	0
<i>Delete</i>	10 mgm	packets gross	144	0	36	0	1	9
	Alusac (218 Calmic) tablets	large cards gross	102	6	25	7½	1	3
	40	packets gross	144	0	41	0	1	9
	Anapax (1053 Rexall) tablets	medium cards gross	82	0	20	6	1	0
	200	packets gross	144	0	36	0	1	9
	Andre Philippe (48 AP) after shave lotion 2 oz	large cards gross	102	6	25	7½	1	3
<i>Delete</i>	108	packets gross	144	0	41	0	1	9
	talc puffer	medium cards gross	82	0	20	6	1	0
<i>Delete</i>	103	packets gross	144	0	36	0	1	9
	brillantine 2 oz	large cards gross	102	6	25	7½	1	3
<i>Delete</i>	109	packets gross	144	0	41	0	1	9
	Cologne deodorant 2 oz	medium cards gross	82	0	20	6	1	0
<i>Delete</i>	110	packets gross	144	0	36	0	1	9
	shampoo men's	large cards gross	102	6	25	7½	1	3
<i>Delete</i>	107	packets gross	144	0	41	0	1	9
	creme sachet	medium cards gross	82	0	20	6	1	0
	105	packets gross	144	0	36	0	1	9
	Aphrodisia (Fabergé) (1444 MDL) bath powder	medium cards gross	82	0	20	6	1	0
	perfume spray	packets gross	144	0	36	0	1	9
	for men	large cards gross	102	6	25	7½	1	3
	talcum	packets gross	144	0	41	0	1	9
	woodhue lotion	medium cards gross	82	0	20	6	1	0
	24	packets gross	144	0	36	0	1	9
	Aquamax (748 Lederle) tablets 50 mgm	large cards gross	102	6	25	7½	1	3
	100	packets gross	144	0	41	0	1	9
	Arobon (883 Nestles) powder	medium cards gross	82	0	20	6	1	0
	tin 150 gm	packets gross	144	0	36	0	1	9
	Atrixo (1164 SSL) dispenser	large cards gross	102	6	25	7½	1	3
	48	packets gross	144	0	41	0	1	9
	Baumol (394 DF) soap	medium cards gross	82	0	20	6	1	0
	box of 3	packets gross	144	0	41	0	1	9
	Betavol (1285 Vitamins) ampoules 100 mgm	large cards gross	102	6	25	7½	1	3
	5	packets gross	144	0	41	0	1	9
	Betnovate (518 Glaxo) cream	medium cards gross	82	0	20	6	1	0
	15 gm	packets gross	144	0	36	0	1	9
	lotion	large cards gross	102	6	25	7½	1	3
	20 mils	packets gross	144	0	41	0	1	9
	ointment	medium cards gross	82	0	20	6	1	0
	15 gm	packets gross	144	0	36	0	1	9
	Betnovate-N (518 Glaxo) cream	medium cards gross	82	0	20	6	1	0
	15 gm	packets gross	144	0	36	0	1	9
	lotion	large cards gross	102	6	25	7½	1	3
	20 mils	packets gross	144	0	41	0	1	9
	ointment	medium cards gross	82	0	20	6	1	0
	15 gm	packets gross	144	0	36	0	1	9
	Bio (1400 PBI) plant food drum	medium cards gross	82	0	20	6	1	0
	5 gall	packets gross	144	0	36	0	1	9
	can	large cards gross	102	6	25	7½	1	3
<i>Delete</i>	1 gall	packets gross	144	0	41	0	1	9
	compost maker	medium cards gross	82	0	20	6	1	0
	7 lb	packets gross	144	0	36	0	1	9
	bone meal	large cards gross	102	6	25	7½	1	3
	7 lb	packets gross	144	0	41	0	1	9
	14 lb	medium cards gross	82	0	20	6	1	0
	7	packets gross	144	0	36	0	1	9
	Biosone (117 BPL) cream	medium cards gross	82	0	20	6	1	0
	25 gm	packets gross	144	0	36	0	1	9
	56	large cards gross	102	6	25	7½	1	3
	0	packets gross	144	0	41	0	1	9
	ointment	medium cards gross	82	0	20	6	1	0
	25 gm	packets gross	144	0	36	0	1	9
	56	large cards gross	102	6	25	7½	1	3
	0	packets gross	144	0	41	0	1	9
	suppositories	medium cards gross	82	0	20	6	1	0
	6	packets gross	144	0	36	0	1	9
	Bonio (1175 SPL) 2 doz	large cards gross	102	6	25	7½	1	3
	25	packets gross	144	0	41	0	1	9
	1 doz	medium cards gross	82	0	20	6	1	0
	24	packets gross	144	0	36	0	1	9
	old packs	large cards gross	102	6	25	7½	1	3
	Buclamase (346 Dales) tablets	medium cards gross	82	0	20	6	1	0
	100	packets gross	144	0	36	0	1	9
	Clinidal (272 Clin. P.) powder	large cards gross	102	6	25	7½	1	3
	75 gm	packets gross	144	0	36	0	1	9
	48	medium cards gross	82	0	20	6	1	0
	42	packets gross	144	0	36	0	1	9
	Colorint (541 F&J) capsules	large cards gross	102	6	25	7½	1	3
	6	packets gross	144	0	36	0	1	9
	sachet	medium cards gross	82	0	20	6	1	0
	2	packets gross	144	0	36	0	1	9
	Comba (888 Newey) curlers small	large cards gross	102	6	25	7½	1	3
	cards gross	packets gross	144	0	36	0	1	9
	143	medium cards gross	82	0	20	6	1	0
	6	packets gross	144	0	36	0	1	9
	123	large cards gross	102	6	25	7½	1	3
	0	packets gross	144	0	36	0	1	9
	102	small cards gross	82	0	20	6	1	0
	6	packets gross	144	0	36	0	1	9
	102	medium cards gross	82	0	20	6	1	0
	6	packets gross	144	0	36	0	1	9
	144	large cards gross	102	6	25	7½	1	3
	0	packets gross	144	0	36	0	1	9
	Compat Green (1491 VAS) insecticide	medium cards gross	82	0	20	6	1	0
	1	pt	144	0	36	0	1	9
	1 gall	large cards gross	102	6	25	7½	1	3
	1	packets gross	144	0	36	0	1	9
	Complexa (272 Clin. P.) laxative	medium cards gross	82	0	20	6	1	0
	8 oz	packets gross	144	0	36	0	1	9
	Cow and Gate (307 C&G) glucose	large cards gross	102	6	25	7½	1	3
	16 oz	packets gross	144	0	36	0	1	9
	Cresopan (1491 VAS) livestock disinfectant	1 gall	120	0	—	—	2	4
	Cuckoo (453 Fecher) pumice-stone	medium cards gross	82	0	20	6	1	0
	4	pt	144	0	36	0	1	9
	Cupal (333 Cupal) bismuthated magnesia ovals	large cards gross	102	6	25	7½	1	3
	tins	packets gross	144	0	36	0	1	9
	2 oz	medium cards gross	82	0	20	6	1	0
	10	pt	144	0	36	0	1	9
	under 14 lb	large cards gross	102	6	25	7½	1	3
	14 lb and less than 28 lb	packets gross	144	0	36	0	1	9
	28 lb and over	medium cards gross	82	0	20	6	1	0
	4	lb	120	0	—	—	25	0
	9 lb	packets gross	144	0	36	0	1	9
	10 oz	large cards gross	102	6	25	7½	1	3
	Dapsodine (358 D&S) intramammary tubes	medium cards gross	82	0	20	6	1	0
	12	pt	144	0	36	0	1	9
	Daptamycin (894 Nicholas) capsules	large cards gross	102	6	25	7½	1	3
	60	packets gross	144	0	36	0	1	9
	Day's (358 D&S) etheric ammonia	medium cards gross	82	0	20	6	1	0
	8 oz	packets gross	144	0	36	0	1	9
	Debrinol (117 BPL) tablets 50 mgm	large cards gross	102	6	25	7½	1	3
	Dexa-Rhinaspray (154B) metered-dose aerosol	medium cards gross	82	0	20	6	1	0
	with nasal applicator	packets gross	144	0	36	0	1	9
	9 gm	large cards gross	102	6	25	7½	1	3
	Digiglusin (413 Lilly) tablets all sizes	medium cards gross	82	0	20	6	1	0
	11	pt	144	0	36	0	1	9
	Dilosyn (179 BDH) syrup	large cards gross	102	6	25	7½	1	3
	4 oz	packets gross	144	0	36	0	1	9
	1 litre	medium cards gross	82	0	20	6	1	0
	Dimelor (413 Lilly) tablets 500 mgm	packets gross	144	0	36	0	1	9
	1000	large cards gross	102	6	25	7½	1	3
	Dimotane (1071 Robins) expectorant	medium cards gross	82	0	20	6	1	0
	DC	packets gross	144	0	36	0	1	9
	16 oz	large cards gross	102	6	25	7½	1	3
	24	pt	144	0	36	0	1	9
	Durex (774 LR) fingercots	medium cards gross	82	0	20	6	1	0
	816 & 818	packets gross	144	0	36	0	1	9
	Dytide (1153 SKF) capsules	large cards gross	102	6	25	7½	1	3
	30	packets gross	144	0	36	0	1	9
	195	medium cards gross	82	0	20	6	1	0

Scholl's (Dr.) (1108 SMC)	chilblain ointment ..	24 0	6 0	3 8
Sedresol (459 Ferris)	ointment ..	500 gms	8 4ea	—
Delete 8 oz & 1 lb				
Insert Slumba (888 Newey)	rollers card ..	gross	102 6	25 7½ 1 3
	packet ..	gross	183 0	45 9 2 3
Insert Slumba Roll (888 Newey)	rollers card ..	gross	123 0	30 9 1 6
	packet ..	gross	183 0	45 9 2 3
Sobiacrin (346 Dales)	tablets ..	100	38 0ea	9 6ea 66 0
Spillers (1172 Spillers)	cat food ..	9 5	—	1 0
	Saval No's 1 & 2 ..	11 10	—	1 3
		23 2	—	2 5
	Shapes ..	11 0	—	1 2
		21 6	—	2 3
	Winalot meal ..	11 0	—	1 2
		21 6	—	2 3
Delete Wagalot				
Insert Spot (1400 PBI)	lawn weedkiller ..	16 0	—	2 0
Delete Spratts (1175 SPL) existing entries				
Insert Spratts (1175 SPL)	canned fish ..	4 doz	28 0	— 9
	meat ..	4 doz	39 0	— 1 1
		2 doz	35 2	— 1 1½
	mixed ovals ..	11 0	—	1 2
		21 6	—	2 3
Spraytan (366 Dendron)	original or mousse ..	85 8	21 5	12 6
Steedman's (1406 Steedman)	nappy cream ..	16 0	—	2 0
Suba-Maid (479 WF)	shampoo spray ..	15 7ea	1 6ea	24 11
Delete Sunnybisk (535 Granose)				
Insert Sunnybisk (535 Granose)	biscuits ..	12 10	3	— 1 1
		24 17	4	— 1 10
		36 29	0	— 2 5
Delete Sustacol (972 Pharmax)				
Suzy (664 JS&C)	cosmetic pencils ..	8 0	2 0	2 0
Insert Syrupus pectoralis rub. (459 Ferris)	1 litre	10 10ea	—	— ↑
	2 litre	20 10ea	—	— ↑
Delete 40 & 80 oz				
Tancolin (810 Maw)				
Insert childrens linctus	2 litre	29 3ea		
Delete Tar-Biosone (129 Biorex)				
Insert Tar-Biosone (117 BPL)	cream ..	25 gm	60 0	15 0 8 9
	S.A. ointment ..	25 gm	60 0	15 0 8 9
Teencream (1179 Stanacen)		20 0	5 0	3 0
Delete Testaform (179 BDH)				
	vials 50 mgm 1 mil 6 and 25			
Thiosporin (208 BW)	injection 500,000 i.u. vial	15 0ea	—	22 6 TS
Tom mee Tippee (1492 HE)	baby care set ..	24 8ea	2 5½ea	38 6
	blanket clips ..	30 0	3 0	3 11
	bowl ..	67 0	6 8½	9 0
	cup ..	60 0	6 0	7 11
	cup and bowl set ..	126 0	12 7	16 10
	fork and spoon ..	22 0	2 2½	2 11
	mug and dish set ..	60 0	6 0	7 11
	mug and feeder ..	24 0	2 4½	3 3
	saddle potty ..	128 0	—	15 11
	travel potty ..	55 0	—	6 11
Insert Tonalix (459 Ferris)	1 litre	8 2ea	—	— ↑
	2 litre	16 0ea	—	— ↑
Delete 40 & 80 oz				
Tropic-ol (1250 Tropic)	moisturising lotion ..	72 0	18 0	10 6
Delete Valerie (888 Newey) existing entries				
Insert Valerie (888 Newey)	hairgrips ..			
	cushioned tipped ..	gross	41 0	10 3 6
	untipped ..	gross	41 0	10 3 6
Velvas (1400 PBI)	lawn sand ..	ctu	2 4ea	— 3 6
		7 lb	3 8ea	— 5 6
		14 lb	6 6ea	— 9 9
		56 lb	19 4ea	— 29 0
		1 cwt	31 8ea	— 47 6
Insert Verosia (272 Clin. P)	dusting powder ..	100 gm	42 0	10 6 5 11
Vesop (701 King)	6½ oz	19 0	—	2 0
	1 gall	28 0ea	—	
Vibrocil (1493 Zyma)	drops ..	15 mls	44 0	11 0 6 5 TS
	nebuliser ..	15 mls	44 0	11 0 6 5 TS
Vick (1277 VI)	vapour rub ..	1 oz		
Vol de Nuit (548 Guerlain)	bath essence ..	1½ oz	..	24 0
Delete Weed-a-Lawn (1400 PBI)	2 oz	1 4ea	—	2 0
	4 oz	2 4ea	—	3 6
	8 oz	4 0ea	—	6 0
	1 qt	13 0ea	—	19 6
Weet Meet (1175 SPL)	No's 1 & 2 ..	11 0	—	1 2
Wellcome (208 BW)	leptospira icterohaemorrhagiae vacce. (vet.) 3 cc			
Delete Staphylococcus antitoxin 20,000 units				
Delete Vitamin D concentrated injectiou (vet.) 20 cc				
typhoid-paratyphoid	T.A.B.T. ..	1.5 cc	28 0	— 3 6
		10 cc	100 0	— 12 6
		25 cc	18 8ea	— 28 0
Delete T.A.B.T. No's 1&2				
Yaxa (366 Dendron)	luxury spray ..	30 10	7 9	4 6

refill ..	..	..	24 0	6 0	3 6
roll-on ..	..	..	37 9	9 5	5 6
refill ..	..	..	30 10	7 9	4 6
stick ..	..	..	24 0	6 0	3 6
Zicodet (1491 VAS)	detergent ..				
Insert Zicosol (1491 VAS)	1 gall	..	..	..	38 6
Insert Zicospor (1491 VAS)	1 pt	..	..	..	48 0
					24 8

AMENDMENTS AND ADDITIONS TO KEY TO SUPPLIERS

47 **Anestan** = **Anestan, Ltd.**, 6 Albemarle Street, London, W.1. Hyde Park 2444.
 217 **Calfos** = **Calfos, Ltd.**, 168 High Holborn, London, W.C.1. Temple Bar 3629.
 272 **Clin. P** = **Clinical Products, Ltd.**, 225 Bath Road, Slough, Bucks. Slough 23971.

THIS WEEK'S CHANGES

NEW and altered entries notified for the first time

A = Advanced. *R* = Reduced.

Entries new this week are marked thus: — ●

Aquatheron (835 M & J)	bath liquid ..	102 0	25 6	13 6
● Beauty Lash (1372 CCL)	eye lashes ..	84 0	—	10 6
Delete Bencard (113 Bencard) existing entries				
Insert Bencard (113 Bencard)	inhalation test solution ..			
	5 mils ..	20 3ea	—	27 0
	25 mils ..	78 9ea	—	105 0
	patch tests ..	9 0ea	—	12 0
	prick test instrument ..	7 6ea	—	10 0
	skin test solutions ..			
	intradermal and prick ..	2 mils ..	4 6ea	— 6 0
	intradermal only ..	5 mils ..	9 0ea	— 12 0
	"21" skin test outfit ..	21 x 2 mils ..	64 6ea	— 86 0
	standard cabinet ..	72 x 2 mils ..	236 3ea	— 315 0
	hospital cabinet ..	84 x 5 mils ..	468 9ea	— 625 0
	and 44 x 5 mils ..	117 0ea	—	156 0
	specific desensitising ..	single vial ..	117 0ea	— 100 0
	vaccine course ..	10 mils ..	75 0ea	—
	continuation strength ..	25 mils ..	117 0ea	— 156 0
Insert Brocillin (1393 BRL)	capsules 125 mgm ..	20 160	0	20 0 TS
		100 54	9ea	82 0 TS
		500 258	8ea	388 0 TS
	250 mgm ..	20 24	5ea	36 8 TS
		100 108	0ea	162 0 TS
		500 516	0ea	774 0 TS
Insert Broxil (1393 BRL)	capsules 125 mgm ..	20 13	4ea	20 0 TS
		100 54	9ea	82 0 TS
		500 258	8ea	388 0 TS
	250 mgm ..	20 24	5ea	36 8 TS
		100 108	0ea	162 0 TS
		500 516	0ea	774 0 TS
Insert Cardine (799 MPL)	tablets 25 mgm ..	50 20	0ea	5 0ea 32 0
		250 80	0ea	20 0ea ..
Insert Chilva (175 BCP)	cough linctus ..	3 oz	31 6	3 6
		6 oz	58 6	6 6
Insert Cloranox (799 MPL)	tablets ..	16 48	0	12 0 6 4 ts1s4A
		100 16	9ea	4 1½ea 26 6 ts1s4A
		500 75	0ea	18 9ea — ts1s4A
Insert Clorased (799 MPL)	tablets 0.5 mgm ..	20 48	0	12 0 6 4
		100 13	6ea	3 4½ea 21 6
		500 60	0ea	15 0ea 95 0
● Clovotox (818 M&B)	1 qt	20 0ea	—	30 0
Colgate (280 CP)	brushless shaving cream jar ..	34 4	8 6	4 6
A Insert Depile (799 MPL)	tablets 55 mgm ..	30 14	0ea	18 8 ts4B
		100 41	0ea	54 8 ts4B
		500 185	0ea	246 8 ts4B
Delete De Witts (372 De Witt)	catarrhal cream ..	38 11	10 10	5 11
Erasmic (509 Gibbs)	crystal after shave ..	38 11	10 10	5 11
● Esbatal (208 BW)	tablets 10 mgm ..	100 13	4ea	3 4ea 23 4
		50 0	0ea	15 0ea 105 0
Delete Euvalerol B (34 A & H)	20 oz ..	60 0ea	15 0ea	105 0
Fabulo (554 Haetan)	bouffant curlers ..	26 8	6 6	4 0
	advertisement pack ..	8 0	2 0	1 3
● Face-Elle (800 TM)	combs all purpose ..	32 0	—	4 0
	toilette tissue ..	30 0	—	3 9
● Ferrovitam (800 TM)	tablets ..	250 6	6ea	—
		1000 25	6ea	—
French & Scott (481 F & S)	lemon cream shampoo ..	65 0	16 3	9 6
	aerosol ..	8 oz		
Gillette (514 Gillette)	blades silver (5) ..	40 10	10 2½	3 6
		(20 pkts) ..	(20 pkts)	
Insert Hepacort Plus (799 MPL)	cream ..	dp 10 gm	10 9ea	14 4 TS
		dp 50 gm	47 0ea	62 8 TS
	suppositories ..	dp 8	11 9ea	15 8 TS
		dp 48	61 8ea	82 3 TS

Insert	Hydeplet (799 MPL) capsules	30	17	6ea	—	23	4	ts4B	
		100	51	4ea	—	68	5	ts4B	
		500	233	4ea	—	311	0	ts4B	
Insert	Kalmadol (799 MPL) ampoules 40 mgm	6	6	9ea	1	8ea	9	0	
	suppositories 80 mgm	12	6	9ea	1	8ea	9	0	
	tablets 40 mgm	48	20	0ea	15	0ea			
		30	6	0ea	1	6ea	8	0	
A	Knights (756 Lever) castile soap bath	3 doz	37	0	9	0	1	5½	
●	Lash Magic (1372 CCL)		92	6	22	7	13	9	
A	Lifebuoy (756 Lever) soap bath size	3 doz	34	10	8	6	1	4½	
Insert	family size	2 doz	30	3	7	4	1	9½	
Insert	Liga (760 Liga) 3-way food		12	0			1	3	
	glutenfree		20	0			2	3	
A	Lux (756 Lever) soap large	3 doz	34	10	8	6	1	4½	
Insert	Marsolone (799 MPL) tablets 1 mgm	100	66	0		7	4	TS	
		500	24	6ea	—	32	8	TS	
	5 mgm	100	16	0ea	—	21	4	TS	
		500	80	0ea	—	106	8	TS	
Insert	Marsone (799 MPL) tablets 1 mgm	100	66	0	—	7	4	TS	
		500	24	6ea	—	32	8	TS	
	5 mgm	100	18	0ea	—	24	0	TS	
		500	80	0ea	—	106	8	TS	
●	Martindale (1495 MEC) smog mask and 6 refills		22	6	—	2	6		
	refills only	6	6	6	—		10½		
●	Metrulen (1121 Searle) tablets	20	11	4ea	—	17	0	ts4B	
		50	25	8ea	—	38	6	ts4B	
		250	118	4ea	—	177	6	ts4B	
●	Metrulen-M (1121 Searle) tablets	20	5	10ea	—	8	9	ts4B	
		50	13	8ea	—	20	6	ts4B	
		250	61	0ea	—	91	6	ts4B	
●	Mebadin (518 Glaxo) ampoules 2 mils	6	12	0ea	3	0ea	19	0	
●	Odo-Ro-No (493 Gamble) Stay Fresh aerosol	38	2	9	7	5	3		
	squeeze pack small	25	5	6	5	3	6		
	large	43	8	11	0	6	0		
	refill sachet	18	2	4	7	2	6		
●	Ovulen (1121 Searle) tablets	20	5	10ea	—	8	9	ts4B	
Insert	Pamol (799 MPL) suppositories babies	12	6	8ea	—	10	0	ts1s4A	
		48	20	0ea	—	30	0	ts1s4A	
	tablets 0.5 gm	25	1	4ea	—	1	8	ts1s4A	
		250	10	0ea	—	13	4	ts1s4A	
		1000	36	0ea	—			ts1s4A	
		5000	135	0ea	—			ts1s4A	
Delete	Penicillin V potassium (378 Dista) suspension								
	Phenovis (649 ICI)								
R	plus copper and cobalt 1 lb	6	8ea	—	10	0			
	7 lb	36	8ea	—	55	0			
	56 lb	240	0ea	—	360	0			
R	liquid (vet.)	½ gall	18	9ea	—	25	0		
		1 gall	33	9ea	—	45	0		
●	Pheoxymethylpenicillin (378 Dista) mixture	60 mils	2	8ea	—	4	0	TS	
Insert	Pifco (983 Pifco) hair dryer Hi-speed	1950	60	3ea	14	2ea	94	6	
Insert	Plasmagel (799 MPL) ampoules plastic	500 mils	33	3ea	—	—			
	Polaroid (989 Polaroid) sunglasses	121	19	6ea	3ea	29	6		
		141	19	6ea	3ea	29	6		
		171	19	6ea	3ea	29	6		
		22	27	2ea	3ea	41	0		
		808	28	2ea	3ea	42	6		
		555	28	2ea	3ea	42	6		
		595	28	2ea	3ea	42	6		
		989	28	2ea	3ea	42	6		
		606	29	10ea	3ea	45	0		
		666	36	2ea	3ea	54	6		
		407	39	6ea	3ea	59	6		
		416	42	6ea	3ea	64	0		
Delete	existing models								
●	Punch and Judy (528 GM) fluoride toothpaste	...	14	11	3	8½	2	0	
A	Puritan (756 Lever) doublets	...	45	8	—	1	5		
●	Pynodis (1166 Sonthon) telephone cream	4 oz	36	0	—	4	6		
Delete	Rosedale (261 Christy) colour spray and refill								
R	lanospray	...	22	4	5	7	3	3	
R	lanospray with lacquer	...	22	4	5	7	3	3	
●	Rosella (94 FDB) diabetic fruits can	10 oz	18	6	—	2	0		
	Rozalex (1088 Rozalex) No. 1 unperfumed	...	20	1	5	0	2	8	
Corr.	No. 2	...	27	0	6	9	3	7	
Insert	Rumaprin (799 MPL) tablets 0.6 gm	20	44	0	11	0	5	10	
		100	12	6ea	3	1½ea	20	0	
Insert	disposable gloves	dp 500	50	0ea	12	6ea	—		
	Sani-Touch (61 APC) briny bath	...	31	6	3	6	—		
					(1 gross)	(1 gross)			
A	Seaglow (1222 TP) vaccine (vet)	...	1	7	0	2	0	1	0
Insert	Seviam (969 Pfizer) vaccine (vet)	100 mils	50	0ea	—	75	0		
A	Silcot (786 Maedonald) sanitary briefs	SK5	40	9	4	11	5	11	

R SII-kini (786 MacDonald)		66	0	6	7	7	11
briefs	..	66	0	6	7	7	11
pads	..	10	13	9		1	6
towels	..	10	18	0		2	0
Stabilin V-K (147 Boots)							
syrup 62.5 mgm/5 mils							
grammes for..	60 mils	2	Sea	—	4	0	TS
sulpha suspension	60 mils	3	6ea	—	5	3	ts4B
tablets 125 mgm	100	32	8ea	—	49	0	ts4B
A Sunlight (756 Lever)							
soap ..	4 doz	60	11	—	1	5	
R Synalar (649 ICI)							
cream ..	5 gm	44	6	—	5	6	TS
15 gm	111	0	—	13	10	10	TS
30 gm	16	2ea	—	24	3	3	TS
lotion ..	20 mils	11	7ea	—	17	4	TS
ointment ..	5 gm	44	6	—	5	6	TS
15 gm	111	0	—	13	10	10	TS
30 gm	16	2ea	—	24	3	3	TS
R Synalar-N (649 ICI)							
cream ..	5 gm	47	0	—	5	10	TS
15 gm	9	11ea	—	14	10	10	TS
lotion ..	20 mils	12	6ea	—	18	9	TS
ointment ..	5 gm	47	0	—	5	10	TS
15 gm	9	11ea	—	14	10	10	TS
R Synandone (649 ICI)							
cream ..	15 gm	66	6	—	8	3	TS
30 gm	10	2ea	—	15	3	3	TS
ointment ..	15 gm	66	6	—	8	3	TS
30 gm	10	2ea	—	15	3	3	TS
R Synandone-N (649 ICI)							
cream ..	15 gm	69	0	—	8	7	TS
ointment ..	15 gm	69	0	—	8	7	TS
• Vallergan (971 PSMB)							
syrup ..	1 litre	29	2ea	—	43	9	ts4B
• Welsh's (1496 Welsh)							
hand and body lotion ..		24	0	6	0	3	6
		41	0	10	3	6	0
Woltz (1372 CCL)							
manicure sets							
(2 regular enamel, 1 oily remover) ..		83	0	20	3	12	9
(I pearl, 1 regular enamel, 1 oily re- mover) ..		96	0	23	5	14	9
MENDMENTS AND ADDITIONS TO KEY TO SUPPLIERS							
FDB = F. D. Bavastock & Co., Ltd., 8 Botolph Lane, London, E.C.3							
Mansion House 5371.							
Liga = Liga Food Products (UK), Ltd., 23 Saxby Street, Leicester							
Leicester 57748.							
MPL = Marshall's Pharmaceuticals, Ltd., 17 Henrietta Street, London							
W.C.2. Clocktower 2478.							
5 MEC = Martindale Electric Co., Ltd., 6 Empire Way, Wembley							
Middlesex. Wembley 3041.							
6 Welsh = Douglas Welsh, Main Street, Longniddry, East Lothian							
Scotland. Longniddry 2136.							
& D. RETAIL AND DISPENSING PRICE LIST							
Monthly List of Changes							
The drug index for October was 220.3							
Cost	Item	16 oz.	4 oz.	1 oz.	1 dr.		
per		s. d.	s. d.	s. d.	s. d.		
500 ml.	Elixir ephedrin., B.P.C.	—	2 1	0 7½	0 1		
500 ml.	Elixir sennæ, B.P.C.	—	3 10	1 2	0 2		
100 ml.	Eucalyptol ..	—	—	4 1	0 7		
25 g.	Hydrarg. oxid. flav P.I.(8)	—	—	9 4	1 4		
25 g.	Hydrarg. oxid. rub., B.P.C. 49 P.I.(8)	—	—	8 11	1 3		
25 g.	Hydrarg. perchlor. pulv., B.P.C. S.I.P.II.(4)	—	—	8 1	1 2		
100 g.	Hydrarg. subehlor., B.P.C.	—	—	7 0	1 0		
100 g.	Hydrarg. ammon. P.I.(8)	—	—	7 0	1 0		
500 ml.	Linetus diaramorph., B.P.C.	—	—	—	—		
2 l.	D.D.	—	2 10	0 10	0 1		
500 ml.	Lincuts simplex., B.P.C.	—	1 1	0 4			
500 ml.	Liq. iodi mit.	—	4 3	1 3	0 2		
500 ml.	Liq. tolut., B.P.C.	—	3 6	1 1	0 2		
1 ½ gl.	Oil. arachis ..	3 4	0 11½	0 3½			
25 g.	Oil. eari, B.P.C. ..	—	—	—	1 6		
1 pt.	Oil. olivæ ..	—	2 5	0 8½	0 1		

**C. & D. RETAIL AND DISPENSING
PRICE LIST**
Monthly List of Changes

The drug index for October was 220.3

Cost		Retail				
d.	per	Item	16 oz.	4 oz.	1 oz.	1 dr.
s.	d.	s. d.	s. d.	s. d.	s. d.	s. d.
66	500 ml.	Elixir ephedrin., B.P.C.	—	2 1	0 7½	0 1
120	500 ml.	Elixir sennæ, B.P.C.'49	—	3 10	1 2	0 2
96	100 ml.	Eucalyptol	—	—	4 1	0 7
66	25 g.	Hydrarg. oxid. flav P.I.(8)	—	—	9 4	1 4
63	25 g.	Hydrarg. oxid. rub., B.P.C.'49 P.I.(8)	—	—	8 11	1 3
57	25 g.	Hydrarg. perchlor. pulv., B.P.C. S.I.P.II.(4)	—	—	8 1	1 2
162	100 g.	Hydrarg. subehilic., B.P.C.	—	—	7 0	1 0
162	100 g.	Hydrarg. ammon. P.I.(8)	—	—	7 0	1 0
87	500 ml.	Linctus diamorph., B.P.C. D.D.	—	2 10	0 10	0 1½
138	2 l.	Linctus simplex., B.P.C.	—	1 1	0 4	—
132	500 ml.	Liq. iodi mit.	—	4 3	1 3	0 2
108	500 ml.	Liq. tolut., B.P.C.	—	3 6	1 1	0 2
132	1 ½ gl.	Ol. arachis	3 4	0 11½	0 3½	—
78	25 g.	Ol. eari, B.P.C.	—	—	—	1 6
84	1 pt.	Ol. olivæ	—	2 5	0 8½	0 1
132	250 g.	Pimentæ pulv., B.P.C.'34	—	—	2 6	0 4
105	500 g.	Pulv. cretæ aromat., B.P.C.	—	3 4	1 0	0 1½
420	500 g.	Rheum pulv.	—	—	4 1	0 7
90	500 ml.	Syr. althææ, B.P.C.'49	—	2 11	0 10½	0 1½
54	500 ml.	Syr. calcii lactophosphatis, B.P.C.'49	—	1 9	0 6½	0 1
84	500 ml.	Syr. chloralis, B.P.C. P.I.(9)	—	2 8	0 10	0 1½
99	500 ml.	Syr. ferri iodid, B.P.C.	—	3 2	0 11½	0 1½
72	500 ml.	Syr. ficorum co., B.P.C.	—	2 4	0 8½	0 1
93	500 ml.	Syr. limonis	—	3 0	0 11	0 1½
81	500 ml.	Syr. picis liq., B.P.C.'49	—	2 7	0 9½	0 1½
102	500 ml.	Syr. rhamni, B.P.C.'34	—	3 3	1 0	0 1½
69	500 ml.	Syr. sennæ, B.P.C.	—	2 3	0 8	0 1
58	500 ml.	Syr. zingiberis	—	1 10	0 7	0 1
156	500 ml.	Tinet. cardamonii arom, B.P.C.	—	—	1 6	0 2½
		Tablets				
87	1000	Calcii laetas gr.5	—	—	25	100
87	1000	Calcii sod. laet., B.P.C. gr.7½	—	—	0 9½	1 10
144	1000	Cascarae sagr. ext. gr.2	—	—	1 3	3 7
330	1000	Casarea co., B.P.C.	—	—	0 11½	2 7
		P.I.(13)				
87	1000	Calcii laetas gr.5	—	—	1 10	5 8

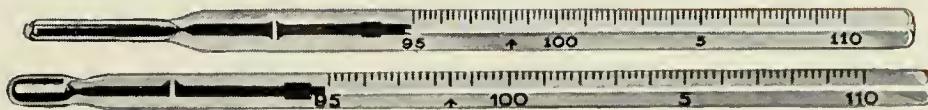
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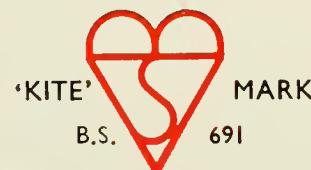


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